Cobham Microwave
Product Selection Guide

The most important thing we build is trust


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CAVITY FILTERS

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB (MHz)	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
382	tetra	45	5	21	3	30 at 387 & 25 at 376	sma	cob-fcav-001
392	tetra	45	5	21	3	30 at 387 & 25 at 400	sma	cob-fcav-002
401	space	0	2	18	1	45 at 300 & 65 at 462	sma	cob-fcav-003
418	pmr	0	1	15	1.3	30 at ± 10	sma	cob-fcav-004
435	pmr	37	30	21	0.5	40 at 380 & 40 at 490	sma	cob-fcav-005
462	pmr	0	2	18	1	50 at 400	sma	cob-fcav-006
1090	iff	37	20	20	0.5	35 at 1058 & 1120	sma	cob-fcav-007
1090	iff	37	20	20	1	40 at 1058 & 1120	sma	cob-fcav-008
2350	wimax	37	100	21	1.5	60 at 2200 & 70 at 2500	sma	cob-fcav-009
3500	wimax	37	200	21	2	60 at 330 & 70 at 3700	sma	cob-fcav-010
4500	wimax	0	40	14	2	100 at ± 10%fc	sma	cob-fcav-011
5410	space	10	350	21	0.3	50 at 2300 & 800	sma	cob-fcav-012
5790	space	0	30	16	1.5	40 at ± 60	sma	cob-fcav-013
7500	updown converter	10	100	13	3	50 at 6500 & 20 at 7035	smd	cob-fcav-014
8328	space	0	500	14	3	60 at 6120 & 60 at 12240	sma	cob-fcav-015
9000	radar	0	600	16	1.5	50 at ± 500	sma	cob-fcav-016
9383	radar	10	361	15	2	24 at 9088 & 25 at 9737	sma	cob-fcav-017
10000	radar	0	200	14	3	60 at ± 650	sma	cob-fcav-018
11725	space	10	2050	21	1.5	20 at 10450 & 20 at 13000	sma	cob-fcav-019
11975	space	10	550	21	1.5	40 at 11000 & 13750	sma	cob-fcav-020

CERAMIC FILTERS

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB (MHz)	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
403	intermediate frequency	20	15	14	1	40 at ± 60	smd	cob-fcer-001
420	intermediate frequency	10	16	14	5	50 at 360 & 480	smd	cob-fcer-002
575	intermediate frequency	10	5	14	6.5	50 at 510 & 40 at 640	smd	cob-fcer-003
576	intermediate frequency	10	2	10	3	20 at ± 40	smd	cob-fcer-004
610	intermediate frequency	10	20	14	3	50 at ± 122	smd	cob-fcer-005
662	intermediate frequency	10	15	14	4	80 at ± 40	smd	cob-fcer-006
822	intermediate frequency	10	20	14	2.5	20 at 846 & 55 at 850	smd	cob-fcer-007
836	intermediate frequency	10	24	12	4	50 at 796 & 45 at 876	smd	cob-fcer-008
860	intermediate frequency	10	10	12	4	50 at 820 & 800	smd	cob-fcer-009
872	intermediate frequency	10	8	14	6	30 at 846 & 30 at 898	smd	cob-fcer-010
885	intermediate frequency	10	33	14	5	50 at 810 & 960	smd	cob-fcer-011
890	intermediate frequency	10	10	15	1.7	30 at 840 & 25 at 930	smd	cob-fcer-012
900	intermediate frequency	10	5	14	9	40 at 870 & 50 at 960	smd	cob-fcer-013
908	intermediate frequency	10	55	14	2	60 at 670 & 20 at 1915	smd	cob-fcer-014
930	intermediate frequency	10	5	14	9.5	40 at 900 & 50 at 960	smd	cob-fcer-015
932	intermediate frequency	10	35	14	5	50 at 800 & 50 at 1005	smd	cob-fcer-016
944	intermediate frequency	10	4	14	2.5	30 at 896 & 40 at 992	smd	cob-fcer-017
990	intermediate frequency	10	5	14	9.5	50 at 960 & 40 at 1020	smd	cob-fcer-018
1007	intermediate frequency	10	8	14	6.5	50 at 960 & 40 at 1050	smd	cob-fcer-019
1015	intermediate frequency	10	36	14	3	15 at ± 65	smd	cob-fcer-020
1020	intermediate frequency	10	5	14	9.5	50 at 960 & 40 at 1050	smd	cob-fcer-021
1028	intermediate frequency	10	66	15	3	50 at 853 & 43 at 1203	smd	cob-fcer-022

CERAMIC FILTERS

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB (MHz)	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
1030	iff	10	15	14	2.6	70 at 1090	smd	cob-fcer-023
1030	iff	10	20	14	2	25 at ± 60	smd	cob-fcer-024
1030	iff	20	16	14	3	60 at 970 & 60 at 1090	smd	cob-fcer-025
1030	iff	10	8	14	1.5	14 at =-20	smd	cob-fcer-026
1030	iff	20	20	14	4	25 at ± 60	smd	cob-fcer-027
1030	iff	20	30	14	4	40 at ± 120	smd	cob-fcer-028
1030	iff	20	19	14	4	60 at ± 60	smd	cob-fcer-029
1030	iff	10	16	14	3	60 at ±60	smd	cob-fcer-030
1030	iff	10	10	14	1.5	34 at ± 36	smd	cob-fcer-031
1030	iff	10	16	14	2.5	48 at ± 40	smd	cob-fcer-032
1030	iff	10	20	14	2.5	40 at ± 30	smd	cob-fcer-033
1030	iff	20	30	14	2	40 at ± 120	smd	cob-fcer-034
1030	iff	20	18	14	6	12 at ± 12	smd	cob-fcer-035
1030	iff	0	1.9	14	2	30 at ± 20	smd	cob-fcer-036
1030	iff	0	16	17	3	60 at 970 & 1090	smd	cob-fcer-037
1035	intermediate frequency	10	33	14	5	50 at 960 & 1110	smd	cob-fcer-038
1052	intermediate frequency	10	155	14	2	45 at 565 & 50 at 1570	smd	cob-fcer-039
1082	intermediate frequency	10	35	14	5	50 at 1010 & 30 at 1125	smd	cob-fcer-040
1090	iff	10	10	14	2.5	40 at 1030 & 40 at 1150	smd	cob-fcer-041
1090	iff	20	40	14	1	20dB at ± 110 MHz	smd	cob-fcer-042
1090	iff	20	25	14	2	40 at 1030 & 40 at 1150	smd	cob-fcer-043
1090	iff	20	10	14	3	70 at ± 25	smd	cob-fcer-044
1090	iff	20	20	14	4	25 at ± 60	smd	cob-fcer-045
1090	iff	20	30	14	4	40 at ± 120	smd	cob-fcer-046
1090	iff	20	19	14	4	60 at ± 60	smd	cob-fcer-047
1090	iff	10	16	14	3	60 at ±60	smd	cob-fcer-048
1090	iff	10	10	14	1.5	34 at ± 36	smd	cob-fcer-049
1090	iff	10	16	14	2.5	48 at ± 40	smd	cob-fcer-050
1090	iff	10	20	14	2.5	40 at ± 30	smd	cob-fcer-051
1090	iff	20	30	14	2	40 at ± 120	smd	cob-fcer-052
1090	iff	20	18	14	6	12 at ± 12	smd	cob-fcer-053
1090	iff	20	16	18	2.5	30 at ± 20	smd	cob-fcer-054
1090	iff	0	1.5	17	4	20 at ± 100	smd	cob-fcer-055
1090	notch	20	60	12	1	-	smd	cob-fcer-056
1090	iff	20	40	14	1.5	20 at ± 100	smd	cob-fcer-057
1090	iff	10	46	17	1	27 at ± 77	smd	cob-fcer-058
1152	intermediate frequency	10	2	10	3	40 at 1024 & 1280	smd	cob-fcer-059
1167	intermediate frequency	10	24	14	2.5	60 at 1000 & 1410	smd	cob-fcer-060
1176	gps	20	28	16	5	45 at ± 44	smd	cob-fcer-061
1176	gps	20	44	16	3	40 at ± 46	smd	cob-fcer-062
1176	gps	10	28	14	5	20 at ± 28	smd	cob-fcer-063
1176	gps	10	44	15	5	20 at ± 32	smd	cob-fcer-064
1177	gps	20	24	14	3	50 at ± 100	smd	cob-fcer-065
1177	gps	20	10	14	4	20 at 1157 & 20 at 1197	smd	cob-fcer-066
1195	gps	20	3	14	5	15 at 1080 & 40 at 2200	smd	cob-fcer-067
1206	gps	10	12	14	7	20 at 1190 & 44 at 1234	smd	cob-fcer-068
1207	gps	20	44	16	3	40 at ± 46	smd	cob-fcer-069
1207	gps	20	28	16	5	45 at ± 44	smd	cob-fcer-070

Filters

Ceramic filters

CERAMIC FILTERS

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB (MHz)	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
1207	gps	10	28	14	5	20 at ± 28	smd	cob-fcer-071
1210	gps	20	70	16	2	60 at 880 & 50 at 1090	smd	cob-fcer-072
1220	gps	10	8	14	5	45 at 1184 & 1256	smd	cob-fcer-073
1227	gps	20	10	14	2.5	14 at +:50	smd	cob-fcer-074
1227	gps	20	28	16	5	45 at ± 44	smd	cob-fcer-075
1227	gps	10	66	14	0.8	20 at ± 100	smd	cob-fcer-076
1227	gps	0	39	14	2	21 at ± 50	smd	cob-fcer-077
1228	gps	10	25	12	1.5	35 at 1087 & 30 at 1367	smd	cob-fcer-078
1236	gps	20	39	14	3	20 at 1197 & 20 at 1277	smd	cob-fcer-079
1237	gps	20	20	14	3	12 at 1350	smd	cob-fcer-080
1237	gps	20	30	14	3	40 at 1150 & 40 at 1230	smd	cob-fcer-081
1237	gps	10	30	14	4	40 at 1150 & 1350	smd	cob-fcer-082
1260	gps	10	18	10	5	60 at 1224	smd	cob-fcer-083
1270	gps	10	15	14	3	75 at 1200 & 30 at 1300	smd	cob-fcer-084
1278	gps	10	44	16	5	40 at ± 46	smd	cob-fcer-085
1278	gps	10	28	16	5	45 at ± 44	smd	cob-fcer-086
1278	gps	10	44	14	5	20 at ± 32	smd	cob-fcer-087
1296	intermediate frequency	10	24	15	4	30 at 1180 & 50 at 1468	smd	cob-fcer-088
1297	gps	10	44	15	5	20 at ± 32	smd	cob-fcer-089
1364	gps	10	25	14	3.5	30 at 1450	smd	cob-fcer-090
1382	intermediate frequency	10	20	14	4.5	45 at 1324 & 1440	smd	cob-fcer-091
1440	gps	20	1	14	2	30 at 111 & 20 at 1329	smd	cob-fcer-092
1440	intermediate frequency	20	2	14	4.5	50 at 1380 & 1500	smd	cob-fcer-093
1450	gps	10	100	16	2	50 at 1574	smd	cob-fcer-094
1487	gps	10	116	14	2	25 at 1210 & 40 at 1975	smd	cob-fcer-095
1490	gps	10	140	14	1.5	35 at 1200 & 30 at 1600	smd	cob-fcer-096
1500	intermediate frequency	10	81	14	8	40 at 1460	smd	cob-fcer-097
1512	intermediate frequency	10	16	14	3.5	40 at 1400	smd	cob-fcer-098
1512	intermediate frequency	10	16	14	3.5	35 at 1450 & 30 at 1565	smd	cob-fcer-099
1517	gps	10	30	14	2.5	54 at 1404 & 1655	smd	cob-fcer-100
1530	intermediate frequency	20	75	14	3	38 at ± 6 72	smd	cob-fcer-101
1532	intermediate frequency	20	24	14	3	50 at ± 100	smd	cob-fcer-102
1532	intermediate frequency	20	10	14	4	20 at 1512 & 20 at 1552	smd	cob-fcer-103
1532	gps	20	10	14	4	20 at 1512 & 20 at 1552	sma	cob-fcer-104
1575	gps	20	10	14	2.5	14 at +:50	smd	cob-fcer-105
1575	gps	10	44	16	3	40 at ± 46	smd	cob-fcer-106
1575	gps	10	28	16	3	45 at ± 44	smd	cob-fcer-107
1575	gps	10	10	14	3	40 at 1698 & 15 at 1525	smd	cob-fcer-108
1575	gps	10	25	10	1.8	35 at 1435 & 30 at 1715	smd	cob-fcer-109
1575	gps	10	20	14	3.7	40 at ± 50	smd	cob-fcer-110
1575	gps space	0	25	14	2.5	40 at 1425 & 1725	smd	cob-fcer-111
1575	gps	10	44	14	5	40 at ± 46	smd	cob-fcer-112
1575	gps/space	10	10	15	0.7	20 at ± 140	smd	cob-fcer-113
1575	gps/space	10	10	15	1.5	32 at ± 140	smd	cob-fcer-114
1587	gps	20	45	14	2.5	30 at ± 300	smd	cob-fcer-115
1587	gps	10	55	14	2	45 at ± 100	smd	cob-fcer-116
1587	gps	10	55	14	2	50 at ± 50	smd	cob-fcer-117
1589	gps	10	25	14	3	10 at 1690	smd	cob-fcer-118

CERAMIC FILTERS

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB (MHz)	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
1589	gps	20	49	14	3	20 at 1545 & 20 at 1633	smd	cob-fcer-119
1590	gps	10	51	14	1	10 at ± 50	smd	cob-fcer-120
1600	intermediate frequency	10	2	14	12	50 at ± 650	smd	cob-fcer-121
1602	gps	10	15	14	4	40 at ± 50	smd	cob-fcer-122
1603	gps	20	14	14	2.5	25 at ± 100	smd	cob-fcer-123
1675	intermediate frequency	10	660	14	2.5	35 at 950 & 20 at 2580	smd	cob-fcer-124
1683	intermediate frequency	10	634	9	2.5	27 at 1316 & 27 at 2133	smd	cob-fcer-125
1687	intermediate frequency	20	24	14	4	40 at 1605 & 40 at 1800	smd	cob-fcer-126
1687	intermediate frequency	10	30	14	4	40 at 1605 & 1800	smd	cob-fcer-127
1690	intermediate frequency	10	50	10	2	35 at 1565	smd	cob-fcer-128
1700	dcs	10	600	9	2.5	30 at 1300 & 40 at 2250	smd	cob-fcer-129
1700	intermediate frequency	20	25	14	3.2	20 at ± 100	smd	cob-fcer-130
1710	dcs	10	15	14	3.5	25 at ± 40	smd	cob-fcer-131
1716	dcs	20	15	14	3.5	40 at ± 100	smd	cob-fcer-132
1717	intermediate frequency	10	20	15	4.2	20 at ± 30	smd	cob-fcer-133
1725	dcs	10	650	9	2.5	27 at 1325 & 35 at 2275	smd	cob-fcer-134
1732	dcs	10	45	14	3	20 at 1690 & 20 at 1775	smd	cob-fcer-135
1780	intermediate frequency	10	140	14	1.5	40 at 1500 & 30 at 1900	smd	cob-fcer-136
1780	pcs	10	140	14	2	35 at 1530 & 20 at 1930	smd	cob-fcer-137
1800	intermediate frequency	10	50	14	3	50 at 900 & 2700	smd	cob-fcer-138
1842	dcs	10	75	12	1.5	10 at 1775 & 5 at 1910	sma	cob-fcer-139
1880	pcs	10	60	14	3	40 at 1755 & 50 at 1930	smd	cob-fcer-140
1882.5	pcs	10	65	15	3	25 at 1770 & 2110	smd	cob-fcer-141
1900	umts	10	1000	9	2.5	25 at 1300 & 30 at 2600	smd	cob-fcer-142
1960	radiolink	10	60	10	3.5	50 at 1910 & 40 at 2100	smd	cob-fcer-143
1962.5	radiolink	10	65	15	3	25 at 1850 & 25 at 2110	smd	cob-fcer-144
2042	radiolink	10	35	14	5	65 at 1902 & 65 at 2220	smd	cob-fcer-145
2085	radiolink	10	50	14	4	65 at 1945 & 60 at 2290	smd	cob-fcer-146
2100	intermediate frequency	20	40	12	2.6	40 at ± 600	smd	cob-fcer-147
2220	radiolink	10	40	14	3.5	35 at 2110 & 35 at 2360	smd	cob-fcer-148
2245	radiolink	10	90	14	3.5	35 at 2110 &35 at 2360	smd	cob-fcer-149
2270	radiolink	10	40	14	3.5	35 at 2110 & 35 at 2360	smd	cob-fcer-150
2300	radiolink	10	200	14	1.5	20 at 2100	smd	cob-fcer-151
2332	radiolink	10	300	16	2	30 at 1485	smd	cob-fcer-152
2345	radiolink	10	702	14	2.5	40 at 1270	smd	cob-fcer-153
2360	radiolink	10	34	13	2.8	37 at 2360 & 32 at 4580	smd	cob-fcer-154
2400	radiolink	10	800	9	2.5	27 at 1900 & 30 at 3000	smd	cob-fcer-155
2419	radiolink	10	38	10	4	10 at 2445	smd	cob-fcer-156
2450	radiolink	10	100	10	1.5	30 at 5150	smd	cob-fcer-157
2450	radiolink	10	500	15	3	20 at 2920	smd	cob-fcer-158
2464	radiolink	10	38	10	4	12 at 2438	smd	cob-fcer-159
2464	radiolink	10	38	14	3.5	30 at 1500 & 25 at 3200	smd	cob-fcer-160
2464	radiolink	10	38	15	5	13 at 2438 & 20 at 3200	smd	cob-fcer-161
2500	radiolink	10	120	14	3	60 at 700	smd	cob-fcer-162
2500	radiolink	10	200	14	3	65 at ± 600	smd	cob-fcer-163
2510	radiolink	20	20	14	2	10 at ± 160	smd	cob-fcer-164
2510	radiolink	10	20	14	2	40 at ± 160	smd	cob-fcer-165
2545	radiolink	10	150	14	3	60 at 2170 & 50 at 2880	smd	cob-fcer-166

Filters

Ceramic filters
Lumped element filters

CERAMIC FILTERS

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB (MHz)	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
2550	radiolink	10	100	14	2.5	60 at 2460	smd	cob-fcer-167
2586	intermediate frequency	20	20	12	2	20 at 2350 & 2821	smd	cob-fcer-168
2645	radiolink	10	150	14	3	60 at 2170 & 50 at 2980	smd	cob-fcer-169
2650	radiolink	10	20	14	3	35 at 2775 & 20 at 2400	smd	cob-fcer-170
2650	radiolink	10	50	14	3	15 at 2535 & 60 at 2890	smd	cob-fcer-171
2650	radiolink	10	20	14	3	60 at 2775 & 20 at 2400	smd	cob-fcer-172
2680	radiolink	20	20	14	2	40 at ± 250	smd	cob-fcer-173
2702	intermediate frequency	20	20	12	2	20 at 25456 & 2948	smd	cob-fcer-174
2818	intermediate frequency	20	20	12	2	20 at 2561 & 3075	smd	cob-fcer-175
2934	intermediate frequency	20	20	12	2	20 at 2667 & 3201	smd	cob-fcer-176
3000	intermediate frequency	10	400	14	2	40 at 2060 & 4100	sma	cob-fcer-177
3042	radiolink	10	915	14	3.5	45 at 1750 & 35 at 3877	smd	cob-fcer-178
3208	intermediate frequency	10	210	12	3	50 at 2100 & 4300	smd	cob-fcer-179
3455	radiolink	10	155	14	2	20 at ± 225	smd	cob-fcer-180
3500	radiolink	10	220	15	3	28 at 3240 & 3760	smd	cob-fcer-181
3500	radiolink	10	220	14	2	20 at ± 260	smd	cob-fcer-182
3555	radiolink	10	155	14	2	20 at ± 225	smd	cob-fcer-183
3600	intermediate frequency	10	70	12	3	50 at 1800 & 35 at 5400	smd	cob-fcer-184
3695	radiolink	10	5	14	7	60 at 3439 & 3951	smd	cob-fcer-185
3750	radiolink	10	165	14	2	40 at 3410 &15 at 3570	smd	cob-fcer-186
3750	radiolink	10	400	14	3	35 at 3450 & 35 at 4050	smd	cob-fcer-187
3770	intermediate frequency	20	5	14	5	60 at ± 240	smd	cob-fcer-188
3800	radiolink	10	800	12	3	40 at ± 1000	smd	cob-fcer-189
3840	intermediate frequency	0	40	15	5.5	30 at ± 60	smd	cob-fcer-190
3935	intermediate frequency	10	24	14	7	70 at 3845 & 30 at 3977	smd	cob-fcer-191
5000	radiolink	10	150	14	2.5	15 at ± 300	smd	cob-fcer-192
5050	radiolink	10	1900	9	2	10 at 3950 & 15 at 6250	smd	cob-fcer-193
5375	radiolink	10	950	10	1.5	35 at 2500	smd	cob-fcer-194
5752.5	radiolink	10	55	14	3	30 at 1500 & 25 at 6000	smd	cob-fcer-195
5847.5	radiolink	10	55	14	3	30 at 1500 & 25 at 6500	smd	cob-fcer-196

LUMPED ELEMENT FILTERS

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB (MHz)	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
10	intermediate frequency	10	1.5	14	3	40 at ± 3	smd	cob-flc-001
12	intermediate frequency	10	1.5	14	3.5	20 at 10&50 at 15	smd	cob-flc-002
28	intermediate frequency	10	6	14	4	40 at 20&40 at 36	smd	cob-flc-003
28	intermediate frequency	10	12	14	5	25 at 25	smd	cob-flc-004
40	intermediate frequency	10	4	14	5	30 at ± 4	smd	cob-flc-005
43	intermediate frequency	10	4	14	2	40 at 33 & 40 at 53	smd	cob-flc-006
48	intermediate frequency	10	4.5	14	3	60 at 33 & 63	smd	cob-flc-007
49	intermediate frequency	10	21	14	3	40 at 10 & 40 at 100	smd	cob-flc-008
50	intermediate frequency	10	20	14	4	40 at 30 & 40 at 70	smd	cob-flc-009
50	intermediate frequency	20	20	14	4	40 at 30 & 70	sma	cob-flc-010
52	lowpass	10	0	14	0.8	35 at +18	smd	cob-flc-011
60	intermediate frequency	10	4	14	3.5	30 at ± 10	smd	cob-flc-012
60	intermediate frequency	10	6	14	3	60 at 42 & 50 at 78	smd	cob-flc-013
60	intermediate frequency	10	9	14	2.5	40 at 48 & 40 at 72	smd	cob-flc-014
60	intermediate frequency	0	10	15	4.5	40 at 48 & 40 at 72	smd	cob-flc-015
60	intermediate frequency	10	6	14	3	20 at 54 & 55 at 78	smd	cob-flc-016
62	intermediate frequency	10	5	14	3	40 at 42 & 82	smd	cob-flc-017
64	intermediate frequency	10	16	14	1.5	40 at 81 & 50 at 112	smd	cob-flc-018
70	intermediate frequency	10	12	14	5.5	42 t 58 & 42 at 82	smd	cob-flc-019
75	intermediate frequency	10	10	14	2	20 at ± 30	smd	cob-flc-020
86	intermediate frequency	10	24	14	1.5	50 at 42 & 40 at 150	smd	cob-flc-021
90	intermediate frequency	10	24	14	3	80 at 48 & 80 at 132	smd	cob-flc-022
90	lowpass	44	0	15	0.9	35 at 104	pin	cob-flc-023
116	intermediate frequency	10	2	14	7	15 at 110	smd	cob-flc-024
120	intermediate frequency	20	5	14	4	30 at 108 & 140	pin	cob-flc-025
121	intermediate frequency	20	13	14	5	70 at 75	pin	cob-flc-026
124	intermediate frequency	20	5	14	4	30 at 108 & 144	pin	cob-flc-027
129	intermediate frequency	20	5	14	4	30 at 108 & 149	pin	cob-flc-028
134	intermediate frequency	20	5.5	14	4	30 at 108 & 154	pin	cob-flc-029
140	intermediate frequency	10	280	14	0.5	20 at 10 & 40 at 400	smd	cob-flc-030
144	intermediate frequency	10	15	14	5	60 at 129 & 65 & 162	smd	cob-flc-031
156	intermediate frequency	20	15	14	5	70 at 109	pin	cob-flc-032
156	lowpass	45	0	14	0.8	35 at 270	pin	cob-flc-033
182	intermediate frequency	10	6	14	11	14 at ± 3	smd	cob-flc-034
192	intermediate frequency	10	10	14	7	50 at 214 & 70 at 236	smd	cob-flc-035
243	intermediate frequency	20	20	14	5	70 at 195	pin	cob-flc-036
270	intermediate frequency	10	500	14	1	20 at 10 & 45 at 650	smd	cob-flc-037
271	lowpass	45	0	14	0.8	29 at 312	pin	cob-flc-038
312	intermediate frequency	10	175	14	3	35 at 200 & 35 at 450	smd	cob-flc-039
400	intermediate frequency	10	50	14	2.2	45 at 350 & 40 at 450	smd	cob-flc-040
410	intermediate frequency	10	220	18	0.5	40 at 200 & 40 at 670	smd	cob-flc-041
450	intermediate frequency	10	10	14	5.5	50 at 400 & 50 at 500	smd	cob-flc-042
470	lowpass	45	0	14	0.8	25 at +570	smd	cob-flc-043
504	intermediate frequency	10	50	10	6	30 at 433 & 40 at 575	smd	cob-flc-044
520	intermediate frequency	10	200	14	0.8	35 at 100 & 60 at 1260	sma	cob-flc-045
655	intermediate frequency	10	25	14	2.5	30 at ± 100	smd	cob-flc-046
710	lowpass	10	0	15	2	30 at 850	smd	cob-flc-047
720	intermediate frequency	10	126	14	3	50 at 320 & 50 at 1310	smd	cob-flc-048

Filters

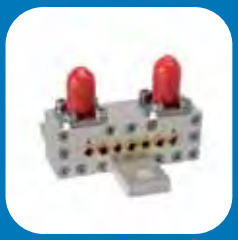
Lumped element filters
Waveguide filters
Duplexers

LUMPED ELEMENT FILTERS

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
731	intermediate frequency	10	30	14	5	45 at 658 & 806	smd	cob-flc-049
768	intermediate frequency	10	35	14	5	30 at 720 & 816	smd	cob-flc-050
816	intermediate frequency	10	30	14	5	30 at 768 & 864	smd	cob-flc-051
864	intermediate frequency	10	35	14	5	30 at 816 & 912	smd	cob-flc-052
912	intermediate frequency	10	35	15	5.5	50 at 864 & 960	smd	cob-flc-053
942	gsm	10	35	12	1.5	15 at 895 & 990	sma	cob-flc-054
960	intermediate frequency	10	5	15	6	50 at 840 & 50 at 1080	smd	cob-flc-055
1008	intermediate frequency	10	30	14	5.5	50 at 960 & 1056	smd	cob-flc-056
1056	intermediate frequency	10	25	14	6	35 at 1008 & 1104	smd	cob-flc-057
1080	intermediate frequency	10	50	14	4	35 at 996 & 50 at 1200	smd	cob-flc-058
1090	lowpass	10	0	14	0.5	40 at 2100	smd	cob-flc-059
1090	lowpass	55 peak	0	19	0.5	45 at 2060	smd	cob-flc-060
1191	intermediate frequency	10	92	16	5	50 at ± 144	smd	cob-flc-061
1235	intermediate frequency	10	36	14	4	50 at 1030 & 1440	smd	cob-flc-062
1237	intermediate frequency	10	80	14	2.2	35 at ± 200	smd	cob-flc-063
1280	intermediate frequency	10	64	14	4	50 at 720 & 1560	smd	cob-flc-064
1284	intermediate frequency	10	240	10	3	45 at ± 456	smd	cob-flc-065
1296	intermediate frequency	10	30	16	5	50 at 1025 & 20 at 1359	smd	cob-flc-066
1296	intermediate frequency	10	40	14	4	65 at 1152 & 70 at 1440	smd	cob-flc-067
1320	intermediate frequency	10	50	14	4	50 at 1212 & 35 at 1392	smd	cob-flc-068
1400	lowpass	10	0	15	2	28 at 1500	smd	cob-flc-069
1440	intermediate frequency	10	110	14	2.5	25 at 1320 & 1560	smd	cob-flc-070
1584	intermediate frequency	10	55	14	4	70 at 1440 & 65 at 1728	smd	cob-flc-071
1589	intermediate frequency	10	80	14	2.2	35 at ± 200	smd	cob-flc-072
1600	intermediate frequency	10	160	14	3	50 at 1200 & 45 at 3200	smd	cob-flc-073
1600	intermediate frequency	10	225	14	3	30 at 1400 & 1860	smd	cob-flc-074
1650	intermediate frequency	10	276	14	3	20 at 1425 & 22 at 2100	smd	cob-flc-075
1750	intermediate frequency	10	175	14	3	40 at 1250 & 40 at 2500	smd	cob-flc-076
2500	lowpass	10	0	14	0.5	30 at 3200	smd	cob-flc-077

WAVEGUIDE FILTERS

Center Frequency f0 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
6875	radiolink	47	300	21	0.3	30 at 6.4 & 25 at 7.4	smd	cob-fwg-001
8112	space	37	375	21	0.3	80 at 5000	sma	cob-fwg-002
9310	radar	47	16	21	1.5	43 at 9.2682 & 9.358	smd	cob-fwg-003
9600	space	47	1000	21	0.3	25 at 19.3	smd	cob-fwg-004
11000	space	47	2050	21	0.3	55 at 13.75	smd	cob-fwg-005
20550	space	10	700	21	1	25 at 17200...17900	k	cob-fwg-006



CAVITY DUPLEXERS

Low Frequency f1 (MHz)	High Frequency f2 (MHz)	Description & Application	Power (dBm)	Bandwidth @ 3dB	Return Loss (dB)	Insertion Losses @ f0 (dB)	Attenuation @ f0 (dB)	Package	Part Number
35	39.4	radiolink	45	1.15	14	0.9	75	sma	cob-dcav-001
150.8	160.2	marine	50w	6.5	14	1.6	60	sma	cob-dcav-002
380	390	tetra	45	5	14	2	80	sma	cob-dcav-003
412	422	tetra	45	5	21	2	80	sma	cob-dcav-004
413	423	tetra	25	5	21	2	80	sma	cob-dcav-005
414	458	railways	20	12	14	1	50	sma	cob-dcav-006
415	425	tetra	45	5	21	2	80	sma	cob-dcav-007
416	426	tetra	45	5	21	2	80	sma	cob-dcav-008
417	427	tetra	45	5	21	2	80	sma	cob-dcav-009
430	440	railways	25	1	14	1.5	70	sma	cob-dcav-010
450	460	tetra	45	5	21	2	80	sma	cob-dcav-011
455	455	tetra	45	5	21	2	80	sma	cob-dcav-012
457	467	railways	43	2	16	1.5	70	smd	cob-dcav-013
824	869	amps	47	25	21	1.5	50	sma	cob-dcav-014
880	925	gsm	45	1.5	67	20	47	sma	cob-dcav-015
1030	1090	iff	5kw pulse	1.2	18	15	60	sma	cob-dcav-016
1710	1805	dcs	47	75	20	1.5	70	sma	cob-dcav-017
1850	1930	pcs	47	60	14	1.5	50	sma	cob-dcav-018
1855	1935	pcs	47	10	20	1	70	sma	cob-dcav-019
1920	2110	umts	47	75	20	1.5	80	sma	cob-dcav-020
2033	2202	wimax	20	1	21	1.5	95	sma	cob-dcav-021
2500	2670	wimax	37	20	20	1	70	sma	cob-dcav-022
2560	2670	wimax	37	20	20	1	70	sma	cob-dcav-023

CERAMIC DUPLEXERS

382.5	392.5	tetra	34	5	14	4.5	40	smd	cob-dcer-001
387	397	tetra	34	5	14	4.5	40	smd	cob-dcer-002
412.5	422.5	tetra	34	5	14	4.5	40	smd	cob-dcer-003
442.5	452.5	tetra	34	5	14	4.5	40	smd	cob-dcer-004
447.5	457.5	tetra	34	5	14	4.5	40	smd	cob-dcer-005
452.5	462.5	tetra	34	5	14	4.5	40	smd	cob-dcer-006
457.5	467.5	tetra	34	5	14	4.5	40	smd	cob-dcer-007
822	868	repeater	10	20	14	3	20	smd	cob-dcer-008
876	921	repeater	10	4	14	5	60	smd	cob-dcer-009
1176	1207	gps	10	24	14	3	40 at ± 46	smd	cob-dcer-010
1227	1575	gps	10	44	14	3	40 at ± 46	smd	cob-dcer-011
1227	1575	gps	10	24	14	1.7	30	smd	cob-dcer-012
1227	1575	gps	10	24	11	3	40	smd	cob-dcer-013
1227	1575	gps	20	16	15	1	11 at ± 75	smd	cob-dcer-014
1227	1587	gps	20	98	15	0.8	30 at ± 200	smd	cob-dcer-015
1255	1575	repeater	20	40	14	1	30 at ± 250	sma	cob-dcer-016
1575	1603	gps	10	12	14	1.5	16 at ± 30	smd	cob-dcer-017
1732.5	1882.5	dcs	10	45	14	2.5	35	smd	cob-dcer-018
1882.5	1962.5	dcs	37	65	14	3	20	smd	cob-dcer-019
1882.5	1962.5	dcs	10	65	14	2.7	23	smd	cob-dcer-020
1950	2140	umts	10	60	14	3	25	smd	cob-dcer-021
1962.5	2132.5	wimax	10	0	14	2.5	45	smd	cob-dcer-022
2535	2655	wimax	10	70	14	3	45	smd	cob-dcer-023

LUMPED ELEMENT DUPLEXERS

150	410	Vhf/Uhf diplexer	10	25	17	1	50	smd	cob-delf-001

WAVEGUIDE DUPLEXERS

12750	13012	radiolink	47	120	18	2	70	smd	cob-dwg-001
17700	18710	radiolink	47	500	18	2	70	smd	cob-dwg-002

Isolators & Circulators

Coaxial circulators & isolators

COAXIAL CIRCULATORS & ISOLATORS

Frequency (MHz)	Description & Application	Type	Power (Watts)			V.S.W.R	I.L (dB)	Isol (dB)	Package	Part Number Family
			Forward (CW)	Reverse (CW)	Forward (peak)					
27	Commercial	Circulator	60 Watt-CW	60 Watt-CW	NA	1.35	1.00	15	T0	BA3038
62-72	Commercial	Isolator	20 Watt-CW	20 Watt-CW	NA	1.35	1.00	17	T0	BA1011
62-72	Commercial	Isolator	50 Watt-CW	20 Watt-CW	NA	1.35	1.00	17	T0	BA1015
62-72	Commercial	Circulator	20 Watt-CW	20 Watt-CW	NA	1.35	1.00	17	T0	BA3011
62-72	Commercial	Circulator	50 Watt-CW	50 Watt-CW	NA	1.35	1.00	17	T0	BA3015
68-88	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.35	1.00	17	T0	BA3021
88-108	Commercial	Isolator	100 Watt-CW	20 Watt-CW	NA	1.35	1.00	17	T0	BA1010
88-108	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.35	1.00	17	T0	BA3010
105-145	Commercial	Isolator	50 Watt-CW	20 Watt-CW	NA	1.40	1.00	17	T0	BA1012
105-145	Commercial	Circulator	50 Watt-CW	50 Watt-CW	NA	1.25	1.00	16	T0	BA3012
130-150	Commercial	Dual Circulator-Isolator	250 Watt-CW	20 Watt-CW	NA	1.35	1.00	22	P0	BA4113
138-155	Commercial	Circulator	250 Watt-CW	250 Watt-CW	NA	1.35	0.60	22	T0	BA3040
155-174	Commercial	Circulator	250 Watt-CW	250 Watt-CW	NA	1.35	0.60	22	T0	BA3013
165-200	Commercial	Isolator	100 Watt-CW	20 Watt-CW	NA	1.35	1.00	17	T0	BA1016
165-200	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.35	1.00	17	T0	BA3016
174-225	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.35	1.00	17	T0	BA3029
200-235	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.40	0.80	17	T0	BA3017
200-320	Commercial	Circulator	50 Watt-CW	50 Watt-CW	NA	1.15	0.80	17	Lambda 1	BB3013
216-230	Commercial	Circulator	250 Watt-CW	250 Watt-CW	NA	1.25	0.50	17	T0	BA3017
216-230	Commercial	Circulator	325 Watt-CW	325 Watt-CW	NA	1.40	0.40	20	T0	BA3039
270-290	Commercial	Dual Circulator-Isolator	100 Watt-CW	50 Watt-CW	NA	1.25	0.60	45	P2	BB4140
225-400	Defense	Isolator	60 Watt-CW	15 Watt-CW	NA	1.40	0.80	16	Lambda 1	BB1001
225-400	Defense	Isolator	100 Watt-CW	15 Watt-CW	NA	1.40	0.80	16	Lambda 1	BB1006
225-400	Defense	Circulator	60 Watt-CW	60 Watt-CW	NA	1.40	0.80	16	Lambda 1	BB3001
225-400	Defense	Circulator	100 Watt-CW	100 Watt-CW	NA	1.50	0.80	17	Lambda 1	BB3006
225-400	Defense	Circulator	200 Watt-CW	200 Watt-CW	NA	1.60	0.90	14	Lambda 2	BB3007
225-400	Defense	Circulator	300 Watt-CW	300 Watt-CW	NA	1.25	0.80	13	T56	BB3011
350-400	Commercial	Isolator	200 Watt-CW	50 Watt-CW	NA	1.25	0.50	20	T2	BB1019
350-400	Commercial	Circulator	200 Watt-CW	200 Watt-CW	NA	1.30	0.50	20	T2	BB3019
378-512	Commercial	Isolator	200 Watt-CW	50 Watt-CW	NA	1.30	0.60	18	T2	BB1080
378-512	Commercial	Circulator	200 Watt-CW	200 Watt-CW	NA	1.25	0.60	18	T2	BB3080
380-430	Commercial	Dual Circulator-Isolator	100 Watt-CW	50 Watt-CW	NA	1.25	0.60	45	P2	BB4110
400-470	Commercial	Isolator	100 Watt-CW	50 Watt -CW	NA	1.25	0.50	20	T2	BB1018
400-470	Commercial	Circulator	10 Watt-CW	10 Watt-CW	NA	1.25	0.50	20	T2	BB3018
400-470	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.30	0.50	20	T2	BB3018
400-510	Commercial	Circulator	200 Watt-CW	200 Watt-CW	NA	1.25	0.50	18	T2	BB3018
405-450	Commercial	Isolator	200 Watt-CW	50 Watt-CW	NA	1.25	0.40	20	T2	BB1025
405-470	Commercial	Isolator	200 Watt-CW	50 Watt-CW	NA	1.25	0.50	20	T50	BB1038
405-450	Commercial	Circulator	200 Watt-CW	200 Watt-CW	NA	1.25	0.40	20	T2	BB3025
405-470	Commercial	Circulator	200 Watt-CW	200 Watt-CW	NA	1.25	0.50	20	T50	BB3038
406-470	Commercial	Dual Circulator-Isolator	100 Watt-CW	50 Watt-CW	NA	1.20	0.80	40	P2	BB4111
415-430	Commercial	Isolator	100 Watt-CW	50 Watt-CW	NA	1.25	0.30	22	T2	BB1023
415-454	Commercial	Isolator	100 Watt-CW	NA	NA	1.20	0.50	20	T50	BB1031
415-430	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.25	0.30	22	T2	BB3023
415-454	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.25	0.50	20	T50	BB3031
440-470	Commercial	Isolator	200 Watt-CW	NA	NA	1.25	0.50	20	T50	BB1027
450-500	Commercial	Isolator	200 Watt-CW	50 Watt-CW	NA	1.25	0.40	20	T2	BB1026
450-500	Commercial	Circulator	200 Watt-CW	200 Watt-CW	NA	1.25	0.40	20	T2	BB3026



COAXIAL CIRCULATORS & ISOLATORS

Frequency (MHz)	Description & Application	Type	Power (Watts)			V.S.W.R	I.L (dB)	Isol (dB)	Package	Part Number Family
			Forward (CW)	Reverse (CW)	Forward (peak)					
470-570	Commercial	Isolator	100 Watt-CW	NA	NA	1.30	0.50	20	T2	BC1042
610-960	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.30	0.70	19	TD	BC3019
700-860	Commercial	Isolator	200 Watt-CW	50 Watt-CW	NA	1.30	0.60	18	T2	BC1041
700-860	Commercial	Circulator	200 Watt-CW	200 Watt-CW	NA	1.30	0.60	18	T2	BC3041
760-960	Commercial	Circulator	50 Watt-CW	50 Watt-CW	NA	1.30	0.50	18	TD	BC3019
760-960	Commercial	Isolator	50 Watt-CW	50 Watt-CW	NA	1.30	0.50	18	TD	BC1019
810-960	Commercial	Isolator	60 Watt-CW	20 Watt-CW	NA	1.30	0.50	18	T3	BC1006
860-890	Commercial	Isolator	60 Watt-CW	20 Watt-CW	NA	1.25	.0.3	20	T3	BC1006
860-960	Commercial	Dual Circulator-Isolator	50 Watt-CW	3 Watt-CW	NA	1.20	0.50	45	P4	BC4107
920-960	Commercial	Isolator	60 Watt-CW	50 Watt-CW	NA	1.20	0.30	23	T59	BC1060
920-960	Commercial	Isolator	50 Watt-CW	50 Watt-CW	NA	1.20	0.30	23	T15	BC1062
920-960	Commercial	Circulator	60 Watt-CW	60 Watt-CW	NA	1.20	0.30	23	T59	BC3060
650-900	Commercial	Circulator	50 Watt-CW	50 Watt-CW	NA	1.25	0.40	20	T15	BC3041
960-1215	Defense/IFF	Isolator	50 Watt-CW	1 Watt-CW	1kWatt-peak.2% DC	1.30	0.50	18	T3	BD1003
960-1215	Defense/IFF	Isolator	100 Watt-CW	1 Watt-CW	1kWatt-peak.2% DC	1.30	0.50	18	T2	BD1040
960-1215	Defense/IFF	Circulator	50 Watt-CW	50 Watt-CW	1kWatt-peak.2% DC	1.30	0.50	18	T3	BD3003
960-1215	Defense/IFF	Circulator	100 Watt-CW	100 Watt-CW	1kWatt-peak.2% DC	1.30	0.50	18	T2	BD3040
960-1215	Defense/IFF	Dual Circulator-Isolator	100 Watt-CW	100 Watt-CW	1kWatt-peak.2% DC	1.35	1.20	35	P2	BD4013
1030-1090	Defense/IFF	Circulator	250 Watt-CW	250 Watt-CW	5kWatt-peak.2% DC	1.25	0.30	22	N53	BD3031
1200-1400	Defense	Circulator	250 Watt-CW	250 Watt-CW	1kWatt-peak.5% DC	1.25	0.30	20	N53	BD3039
1200-1400	Defense	Isolator	100 Watt-CW	3 Watt-CW	5kWatt-peak.5% DC	1.25	0.30	20	T1	BD1037
1200-1400	Defense	Circulator	100 Watt-CW	100 Watt-CW	10kWatt-peak.5% DC	1.25	0.30	20	T3	BD3017
1200-1400	Defense	Circulator	200 Watt-CW	200 Watt-CW	3.5kWatt-peak.5% DC	1.25	0.30	20	N53	BD3039
1200-1400	Defense	Circulator	100 Watt-CW	100 Watt-CW	1kWatt-peak.5% DC	1.25	0.30	20	Specific	BD3141
1370-1450	Commercial	Isolator	100 Watt-CW	20 Watt-CW	NA	1.25	0.30	20	Specific	BD1160
1060-1120	Space	Isolator	55 Watt-CW	55 Watt-CW	NA	1.25	0.30	20	T3 space	BD1160
1550-1600	Space	Isolator	75 Watt-CW	75 Watt-CW	NA	1.20	0.30	20	T3 space	BD1160
1395-1405	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.30	0.30	23	Specific	BD1014
1100-1220	Space	Isolator	20 Watt-CW	20Watt-CW	NA	1.25	0.30	20	T3 space	BD1141
1400-1700	Commercial	Isolator	50 Watt-CW	15 Watt -CW	1kWatt-peak	1.30	0.50	18	T3	BD1018
1400-1700	Commercial	Circulator	50 Watt-CW	50 Watt-CW	1kWatt-peak	1.20	0.50	18	T3	BD3018
1550-1600	Space	Isolator	75 Watt-CW	20 Watt -CW	NA	1.20	0.30	23	Specific	BD1060
1670-1700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.30	0.30	23	Specific	BD1060
1700-2100	Commercial	Isolator	50 Watt-CW	10 Watt -CW	1kWatt-peak	1.30	0.50	18	T6	BD1015
1700-2100	Commercial	Circulator	50 Watt-CW	50 Watt-CW	1kWatt-peak	1.30	0.50	18	T6	BD3015
1700-2100	Commercial	Isolator	10 Watt-CW	10 Watt -CW	500 Watt-peak	1.25	0.50	18	T6	BE1019
1700-1900	Commercial	Circulator	10 Watt-CW	10 Watt -CW	500 Watt-peak	1.20	0.30	20	T59	BD3067
1800-2000	Commercial	Circulator	10 Watt-CW	10 Watt -CW	500 Watt-peak	1.20	0.30	20	T59	BD3068
2150-2250	Space	Isolator	150 Watt -CW	150 Watt -CW	NA	1.20	0.25	23	E1	BE1131
1805-1880	Commercial	Isolator	100 Watt-CW	50 Watt-CW	NA	1.20	0.30	22	T15	BD1062
1805-1880	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.20	0.30	22	T15	BD3062
1805-1880	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.25	0.30	22	T12	BD3067
1900-2300	Space	Isolator	40 Watt-CW	20 Watt -CW	NA	1.20	0.40	20	Specific	BE1061
1930-1990	Commercial	Isolator	100 Watt-CW	20 Watt -CW	NA	1.20	0.30	22	T15	BD1062
1930-1990	Commercial	Isolator	100 Watt-CW	20 Watt -CW	NA	1.20	0.30	22	T12	BD1067
1930-1990	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.20	0.30	22	T15	BD3062
1930-1990	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.25	0.30	22	T12	BD3067

Isolators & Circulators

Coaxial circulators & isolators

COAXIAL CIRCULATORS & ISOLATORS

Frequency (MHz)	Description & Application	Type	Power (Watts)			V.S.W.R	I.L (dB)	Isol (dB)	Package	Part Number Family
			Forward (CW)	Reverse (CW)	Forward (peak)					
2000-2200	Commercial	Isolator	100 Watt-CW	10 Watt -CW	NA	1.25	0.40	20	T6	BE1024
2000-2200	Commercial	Circulator	100 Watt-CW	100 Watt-CW	NA	1.20	0.40	20	T6	BE3024
2070-2090	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.25	0.30	23	Specific	BD1013
2200-2300	Space	Isolator	1Watt-CW	1 Watt -CW	NA	1.20	0.25	20	Specific	BE1061
2025-2120	Space	Isolator	40 Watt-CW	40 Watt -CW	NA	1.20	0.22	20	Specific	BE1061
2200-2400	Commercial	Circulator	100 Watt-CW	100 Watt-CW	500 Watt-peak	1.25	0.40	20	T6	BE3019
2700-3100	Commercial	Isolator	100 Watt-CW	1 Watt -CW	1kWatt-peak	1.20	0.30	20	T6	BE1062
2700-2900	Defense	Isolator	200 Watt-CW	20 Watt -CW	1kWatt-peak	1.20	0.30	22	N52	BE1068
2700-2900	Defense	Isolator	160 Watt-CW	20 Watt -CW	1kWatt-peak	1.25	0.30	22	N52	BE1069
2700-3100	Commercial	Circulator	100 Watt-CW	100 Watt-CW	1kWatt-peak	1.20	0.30	22	T6	BE3062
2700-2900	Defense	Circulator	200 Watt-CW	200 Watt-CW	1kWatt-peak	1.20	0.30	22	N52	BE3068
2700-2900	Defense	Circulator	160 Watt-CW	160 Watt-CW	1kWatt-peak	1.25	0.30	22	N52	BE3069
2800-3300	Defense	Isolator	100 Watt-CW	10 Watt-CW	1kWatt-peak	1.25	0.30	20	T6	BF1004
2800-3300	Defense	Circulator	100 Watt-CW	100 Watt-CW	1kWatt-peak	1.25	0.30	20	T6	BF3004
2900-3300	Defense	Isolator	200 Watt-CW	1 Watt -CW	1kWatt-peak	1.25	0.30	20	N52	BE1062
2900-3300	Defense	Circulator	200 Watt-CW	200 Watt-CW	1kWatt-peak	1.25	0.30	20	N52	BE3062
3000-3400	Defense	Circulator	200 Watt-CW	200 Watt-CW	2kWatt-peak	1.25	0.30	20	T6	BF3062
3100-3500	Defense	Isolator	50 Watt-CW	10 Watt-CW	500Watt-peak	1.25	0.30	20	T9	BF1005
3100-3500	Defense	Circulator	50 Watt-CW	50 Watt-CW	500Watt-peak	1.25	0.30	20	T9	BF3005
2900-3300	Defense	Dual Circulator-Isolator	200 Watt-CW	200 Watt-CW	2kWatt-peak	1.25	0.60	35	Specific	BF4007
3300-3700	Space	Isolator	30 Watt-CW	20 Watt -CW	NA	1.30	0.30	20	Specific	BG1019
3400-4200	Space	Isolator	30 Watt-CW	20 Watt -CW	NA	1.30	0.50	18	Specific	BG1019
3400-4200	Space	Circulator	30 Watt-CW	30 Watt-CW	NA	1.18	0.50	18	Specific	BG3019
3400-3800	Space	Circulator	110 Watt-CW	110 Watt-CW	NA	1.18	0.15	25	Specific	BG3022
3600-4200	Space	Circulator	110 Watt-CW	110 Watt-CW	NA	1.18	0.15	25	Specific	BG3022
4200-4400	Space	Circulator	110 Watt-CW	110 Watt-CW	NA	1.25	0.15	25	Specific	BG3022
3600-4200	Space	Isolator	20 Watt-CW	20 Watt -CW	NA	1.25	0.40	20	T6	BF1018
3700-4200	Space	Isolator	30 Watt-CW	20 Watt -CW	NA	1.25	0.40	20	T9	BF1007
3700-4200	Space	Circulator	30 Watt-CW	30 Watt-CW	NA	1.25	0.40	20	T9	BF3007
3700-4200	Space	Isolator	30 Watt-CW	20 Watt -CW	NA	1.25	0.40	20	Specific	BG1019
3700-4200	Space	Circulator	30 Watt-CW	30 Watt-CW	NA	1.20	0.40	20	Specific	BG3019
4000-4200	Space	Isolator	20 Watt-CW	20 Watt -CW	NA	1.20	0.30	22	Specific	BG1019
4400-4800	Space	Circulator	30 Watt-CW	30 Watt-CW	NA	1.25	0.40	20	Specific	BG3019
5050-5150	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.25	0.40	20	T13	BG1022
4200-4400	defense & all	Isolator	20 Watt-CW	20 Watt -CW	500 Watt-peak	1.25	0.30	23	Specific	BG1016
5300-5300	Space	Isolator	1 Watt-CW	1 Watt -CW	NA	1.20	0.30	23	Specific	BG1020
5300-5300	Space	Isolator	2 0Watt-CW	20 Watt -CW	NA	1.20	0.30	23	Specific	BG1020
5300-5300	Space	Circulator	2 0Watt-CW	2 0Watt-CW	NA	1.25	0.30	23	Specific	BG3020
5200-5900	Defense	Isolator	30 Watt-CW	20 Watt -CW	NA	1.20	0.30	20	T11	BG1008
5900-6400	Commercial	Isolator	30 Watt-CW	15 Watt -CW	300 Watt-peak	1.25	0.40	20	T11	BH1005
5900-6400	Commercial	Circulator	30 Watt-CW	30 Watt-CW	300 Watt-peak	1.25	0.40	20	T11	BH3005
6400-7100	Commercial	Isolator	30 Watt-CW	15 Watt -CW	300 Watt-peak	1.25	0.40	20	T11	BH1006
6400-7100	Commercial	Circulator	30 Watt-CW	30 Watt-CW	300 Watt-peak	1.25	0.40	20	T11	BH3006
6600-7200	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.25	0.40	20	T13	BH1007
7100-7800	Commercial	Isolator	30 Watt-CW	15 Watt -CW	300 Watt-peak	1.25	0.40	20	T11	BH1007
7100-7800	Commercial	Circulator	30 Watt-CW	30 Watt-CW	300 Watt-peak	1.25	0.40	20	T11	BH3007
7250-7750	Space	Isolator	10 Watt-CW	1 Watt -CW	100 Watt-peak	1.25	0.40	20	T11	BH1007
7800-8700	defense & all	Isolator	30 Watt-CW	15 Watt -CW	300 Watt-peak	1.25	0.4	20	T11	BI1003

COAXIAL CIRCULATORS & ISOLATORS

Frequency (MHz)	Description & Application	Type	Power (Watts)			V.S.W.R	I.L (dB)	Isol (dB)	Package	Part Number Family
			Forward (CW)	Reverse (CW)	Forward (peak)					
7800-8700	defense & all	Circulator	30 Watt-CW	30 Watt-CW	300 Watt-peak	1.25	0.40	20	T11	BI3003
7900-8400	Space	Isolator	10 Watt-CW	1 Watt -CW	100 Watt-peak	1.25	0.40	20	Specific	BI1003
7900-8500	Space	Isolator	10 Watt-CW	1 Watt -CW	100 Watt-peak	1.25	0.40	20	T11	BI1007
8500-9600	Defense	Isolator	100 Watt-CW	10 Watt -CW	300 Watt-peak	1.25	0.50	20	T11	BI1004
8500-8600	Defense	Circulator	100 Watt-CW	100 Watt-CW	300 Watt-peak	1.25	0.50	20	T11	BI3004
8700-9400	Space	Isolator	10 Watt-CW	1 Watt -CW	100 Watt-peak	1.25	0.30	20	T11	BI1003
9200-10300	Defense	Isolator	35 Watt-CW	35 Watt -CW	350 Watt-peak	1.25	0.40	20	P22	BJ1022
9200-10300	Defense	Dual Circulator-Isolator	35 Watt-CW	35 Watt-CW	350 Watt-peak	1.25	0.80	38	P22	BJ4112
9500-10400	Defense	Isolator	30 Watt-CW	15 Watt -CW	300 Watt-peak	1.25	0.40	20	T11	BJ1011
9600-10600	Defense	Isolator	30 Watt-CW	15 Watt -CW	300 Watt-peak	1.25	0.40	20	T11	BJ1011
10200-10360	Defense	Isolator	30 Watt-CW	15 Watt -CW	300 Watt-peak	1.25	0.40	20	T11	BJ1011
9500-10400	Defense	Circulator	30 Watt-CW	30 Watt-CW	300 Watt-peak	1.25	0.40	20	T11	BJ3011
9600-10600	Defense	Circulator	30 Watt-CW	30 Watt-CW	300 Watt-peak	1.25	0.40	20	T11	BJ3011
10200-10360	Defense	Circulator	30 Watt-CW	30 Watt-CW	300 Watt-peak	1.20	0.35	21	T11	BJ3011
10700-11700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.20	0.35	23	T11	BJ1012
11700-12700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.20	0.35	23	T11	BJ1012
10700-12500	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.25	0.40	20	T11	BJ1012
10700-12700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.25	0.40	20	T11	BJ1012
10700-11700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.20	0.35	23	T13	BJ1013
11700-12700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.20	0.35	23	T13	BJ1013
10700-12700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.25	0.40	20	T13	BJ1013
10700-11700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.25	0.20	23	T10	BJ1010
11700-12700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.25	0.20	23	T10	BJ1010
10700-12700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.20	0.25	20	T10	BJ1010
10700-11700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.20	0.30	23	T11E	BJ1011
11700-12700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.20	0.30	23	T11E	BJ1011
10700-12700	Space	Isolator	10 Watt-CW	1 Watt -CW	NA	1.25	0.40	20	T11E	BJ1011
10700-11700	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.20	0.35	23	T11	BJ3012
11700-12700	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.20	0.35	23	T11	BJ3012
10700-12500	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.25	0.40	20	T11	BJ3012
10700-12700	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.25	0.40	20	T11	BJ3012
10700-11700	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.20	0.35	23	T13	BJ3012
11700-12700	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.20	0.35	23	T13	BJ3012
10700-12700	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.25	0.40	20	T13	BJ3012
10700-11700	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.25	0.20	23	T10	BJ3012
11700-12700	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.25	0.20	23	T10	BJ3012
10700-12700	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.20	0.25	20	T10	BJ3012
10700-11700	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.20	0.30	23	T11E	BJ3012
11700-12700	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.20	0.30	23	T11E	BJ3012
10700-12700	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.25	0.40	20	T11E	BJ3012
12500-13500	Commercial	Circulator	10 Watt-CW	1 Watt -CW	NA	1.25	0.40	20	T11	BJ3012
12500-13500	Commercial	Circulator	10 Watt-CW	10 Watt-CW	NA	1.25	0.40	20	T11	BJ3012
13000-15000	Commercial	Isolator	10 Watt-CW	1 Watt -CW	NA	1.25	0.40	18	T11	BJ3012
13500-14500	Commercial	Circulator	10 Watt-CW	10 Watt-CW	NA	1.25	0.40	20	T11	BJ3012
13500-14500	Commercial	Circulator	10 Watt-CW	1 Watt -CW	NA	1.25	0.40	20	T11	BJ3012
13500-14500	Commercial	Circulator	10 Watt-CW	10 Watt-CW	NA	1.25	0.40	20	T11	BJ3012
13700-14500	Commercial	Circulator	10 Watt-CW	1 Watt -CW	NA	1.25	0.40	20	T11	BJ3012
13950-14550	Space	Circulator	10 Watt-CW	10 Watt-CW	NA	1.25	0.40	20	T11	BJ3012

Isolators & Circulators

Dropin circulators & isolators

DROPIN CIRCULATORS & ISOLATORS

Frequency (MHz)	Description & Application	Type	Power (Watts)			V.S.W.R	I.L (dB)	Isol (dB)	Package	Part Number Family
			Forward (CW)	Reverse (CW)	Forward (peak)					
380-430	PMR-UHF	Isolator	100 Watt -CW	30 Watt -CW	NA	1.15	0.35	23	T58	NB1040
380-430	PMR-UHF	Isolator	120 Watt -CW	120 Watt -CW	NA	1.15	0.35	23	T58	NB1040
380-430	PMR-UHF	Circulator	100 Watt -CW	100 Watt -CW	NA	1.15	0.35	23	T58	NB3040
400-450	radar-UHF	Circulator	700 Watt -CW	700 Watt -CW	2kWatt-peak.5% DC	1.15	0.35	23	T58	NB3040
403-433	PMR-UHF	Circulator	100 Watt -CW	100 Watt -CW	NA	1.15	0.25	23	T58	NB3040
410-470	PMR-UHF	Isolator	60 Watt -CW	60 Watt -CW	NA	1.15	0.35	23	T58	NB1040
410-470	PMR-UHF	Isolator	30 Watt -CW	30 Watt -CW	NA	1.15	0.35	23	T58	NB1040
410-470	radar-UHF	Circulator	100 Watt -CW	100 Watt -CW	1kWatt-peak	1.15	0.35	23	T58	NB3040
450-470	PMR-UHF	Isolator	60 Watt -CW	60 Watt -CW	NA	1.15	0.25	23	T58	NB1040
470-580	PMR-UHF	Isolator	60 Watt -CW	60 Watt -CW	NA	1.2	0.4	20	T58	NB1040
860-960	GSM	Isolator	200 Watt -CW	60 Watt -CW	NA	1.15	0.35	23	T42 L	NC1106-300
869-894	GSM	Isolator	200 Watt -CW	60 Watt -CW	NA	1.15	0.25	23	T42 L	NC1105-100
869-894	GSM	Circulator	200 Watt -CW	200 Watt -CW	NA	1.15	0.25	22	T42 S	NC3105-100
876-960	GSM	Circulator	200 Watt -CW	200 Watt -CW	NA	1.25	0.25	22	T42 S	NC3104-300
890-960	GSM	Isolator	200 Watt -CW	40 Watt -CW	NA	1.25	0.35	23	T42 L	NC1104-100
920-960	GSM	Dual Circulator-Isolator (Att:30dB)	200 Watt -CW	60 Watt -CW	NA	1.15	0.5	45	P42 M	NC4116-200
925-960	GSM	Isolator	200 Watt -CW	60 Watt -CW	NA	1.15	0.25	23	T42 L	NC1106-200
925-960	GSM	Dual Circulator-Isolator	200 Watt -CW	80 Watt -CW	NA	1.15	0.5	45	P42 L	NC4112-200
925-960	GSM	Circulator	200 Watt -CW	200 Watt -CW	NA	1.15	0.25	22	T42 S	NC3106-200
960-1215	Defense/IFF	Isolator	10 Watt -CW	10 Watt -CW	1kWatt-peak.2% DC	1.35	0.6	17	T42 L	ND1100-100
960-1215	Defense/IFF	Circulator	20 Watt -CW	20 Watt -CW	1kWatt-peak.2% DC	1.35	0.6	17	T42 S	ND3100-100
960-1215	Defense/IFF	Circulator	20 Watt -CW	20 Watt -CW	2kWatt-peak.2% DC	1.35	0.6	17	T42 S	ND3100-200
960-1215	Defense/IFF	Circulator	80 Watt -CW	80 Watt -CW	4kWatt-peak.2% DC	1.35	0.6	17	T42 S	ND3100-400
Space	Space/L-band	Isolator	15 Watt-CW	15 Watt-CW	30 Watt-CW	1.2	0.3	25	T42 S	ND1165-500
Space	Space/L-band	Circulator	15 Watt-CW	15 Watt-CW	30 Watt-CW	1.2	0.25	25	T42 S	ND3100-500
1020-1100	Defense/IFF	Circulator	10 Watt -CW	10 Watt -CW	1kWatt-peak.2% DC	1.25	0.3	20	T42 S	ND3100-110
1020-1100	Defense/IFF	Circulator	20 Watt -CW	20 Watt -CW	2kWatt-peak.2% DC	1.25	0.3	20	T42 S	ND3100-210
1020-1100	Defense/IFF	Circulator	80 Watt -CW	80 Watt -CW	4kWatt-peak.2% DC	1.25	0.3	20	T42 S	ND3100-410
1200-1400	Defense/radar	Isolator	60 Watt -CW	60 Watt -CW	600Watt-peak	1.25	0.4	20	T42L	ND1140-100
1200-1400	Defense/radar	Isolator	60 Watt -CW	60 Watt -CW	600Watt-peak	1.25	0.4	20	T42L	ND1140-300
1200-1400	Defense/radar	Isolator	60 Watt -CW	60 Watt -CW	600Watt-peak	1.25	0.4	20	T42L	ND1140-500
1200-1400	Defense/radar	Isolator	60 Watt -CW	60 Watt -CW	600Watt-peak	1.25	0.4	20	T42L	ND1140-800
1200-1400	Defense/radar	Circulator	60 Watt -CW	60 Watt -CW	600Watt-peak	1.25	0.4	20	T42 S	ND3140-100
1200-1400	Defense/radar	Circulator	60 Watt -CW	60 Watt -CW	600Watt-peak	1.25	0.4	20	T42 S	ND3140-200
1200-1400	Defense/radar	Circulator	60 Watt -CW	60 Watt -CW	600Watt-peak	1.25	0.4	20	T42 S	ND3140-300
1200-1400	Defense/radar	Circulator	60 Watt -CW	60 Watt -CW	600Watt-peak	1.25	0.4	20	T42 S	ND3140-400
1200-1400	Defense/radar	Circulator	60 Watt -CW	60 Watt -CW	600Watt-peak	1.25	0.4	20	T42 S	ND3140-500
1200-1400	Defense/radar	Circulator	60 Watt -CW	60 Watt -CW	600Watt-peak	1.25	0.4	20	T42 S	ND3140-600
1525-1660	Defense/radar	Circulator	60 Watt -CW	60 Watt -CW	600Watt-peak	1.25	0.4	20	T42 S	ND3262-100
1525-1660	Defense/radar	Isolator	2 Watt -CW	2 Watt -CW	100Watt-peak	1.25	0.4	20	T42 L	ND1162-600
1710-1785	GSM	Isolator	200 Watt -CW	60 Watt -CW	NA	1.2	0.25	23	T44 L	ND1183-100
1710-1785	GSM	Circulator	200 Watt -CW	200 Watt -CW	NA	1.2	0.25	22	T44 L	ND3183-100
1805-1880	GSM	Isolator	200 Watt -CW	60 Watt -CW	NA	1.2	0.25	22	T42 S	ND1181-200
1805-1880	GSM	Isolator	200 Watt -CW	60 Watt -CW	NA	1.2	0.25	22	T44 L	ND1184-200
1805-1880	GSM	Dual Circulator-Isolator	200 Watt -CW	80 Watt -CW	NA	1.2	0.5	40	P44	ND4224-200
1805-1880	GSM	Circulator	200 Watt -CW	200 Watt -CW	NA	1.2	0.25	22	T42 S	ND3181-200
1805-1880	GSM	Circulator	200 Watt -CW	200 Watt -CW	NA	1.2	0.25	22	T44 S	ND3184-200
1805-1990	GSM	Isolator	200 Watt -CW	60 Watt -CW	NA	1.2	0.3	22	T42 L	ND1181-500

DROPIN CIRCULATORS & ISOLATORS

Frequency (MHz)	Description & Application	Type	Power (Watts)			V.S.W.R	I.L (dB)	Isol (dB)	Package	Part Number Family
			Forward (CW)	Reverse (CW)	Forward (peak)					
1805-1990	PHS	Isolator	200 Watt -CW	60 Watt -CW	NA	1.2	0.25	25	T44 L	ND1186-400
1805-1990	PHS	Circulator	200 Watt -CW	200 Watt -CW	NA	1.2	0.25	25	T44 L	ND3186-400
1930-1990	GSM	Isolator	200 Watt -CW	60 Watt -CW	NA	1.2	0.25	22	T44 L	ND1186-300
1930-1990	GSM	Isolator	200 Watt -CW	60 Watt -CW	NA	1.2	0.25	22	T42 S	ND1182-300
1930-1990	GSM	Dual Circulator-Isolator	200 Watt -CW	60 Watt -CW	NA	1.2	0.5	40	P44	ND4224-300
1930-1990	GSM	Circulator	200 Watt -CW	200 Watt -CW	NA	1.2	0.25	22	T42 S	ND3182-300
1930-1990	GSM	Circulator	200 Watt -CW	200 Watt -CW	NA	1.2	0.25	22	T44 S	ND3186-300
2000-2020	Space	Isolator	100 Watt-CW	100 Watt-CW	NA	1.2	0.2	21	T44 L	ND1175-100
2080-2200	UMTS	Isolator	100 Watt-CW	100 Watt-CW	NA	1.2	0.2	21	T44 L	NE1101-100
2080-2200	UMTS	Isolator(Att:20dB)	100 Watt-CW	100 Watt-CW	NA	1.2	0.2	23	T44 L(Att)	NE1101-200
2080-2200	UMTS	Isolator	100 Watt-CW	2 Watt -CW	NA	1.2	0.2	21	T44 S	NE1101-300
2080-2200	UMTS	Circulator	100 Watt-CW	100 Watt-CW	NA	1.2	0.2	21	T44 S	NE3101-100
2110-2170	UMTS	Isolator	100 Watt-CW	100 Watt-CW	NA	1.2	0.2	21	T44 L	NE1101-150
2110-2170	UMTS	Isolator	100 Watt-CW	100 Watt-CW	NA	1.2	0.2	21	T44 L	NE1101-150
2110-2170	UMTS	Isolator	100 Watt-CW	2 Watt -CW	NA	1.2	0.2	21	T44 S	NE1101-350
2300-2500	Commercial	Isolator	50 Watt -CW	50 Watt -CW	100Watt-peak	1.25	0.3	21	T44S	NE1120-100
2300-2700	Commercial	Isolator	50 Watt -CW	50 Watt -CW	100Watt-peak	1.25	0.4	20	T44S	NE1120-200
2700-2900	Defense/radar	Circulator	100 Watt -CW	100 Watt -CW	1k Watt-peak	1.25	0.4	20	T44S	NF3100-100
2700-2900	Defense/radar	Circulator	100 Watt -CW	100 Watt -CW	1k Watt-peak	1.25	0.4	20	T44S	NF3100-200
2700-2900	Defense/radar	Isolator	100 Watt -CW	30 Watt -CW	1k Watt-peak	1.25	0.4	20	T44L	NF1100-100
2700-3100	Defense/radar	Circulator	100 Watt -CW	100 Watt -CW	1k Watt-peak	1.25	0.4	20	T44S	NF3100-250
2700-3100	Defense/radar	Isolator	100 Watt -CW	30 Watt -CW	1k Watt-peak	1.25	0.4	20	T44L	NF1100-200
2900-3300	Defense/radar	Circulator	100 Watt -CW	100 Watt -CW	1k Watt-peak	1.25	0.4	20	T44S	NF3100-300
2900-3300	Defense/radar	Isolator	100 Watt -CW	50 Watt -CW	1k Watt-peak	1.25	0.4	20	T44L	NF1100-300
3000-3400	Defense/radar	Circulator	100 Watt -CW	100 Watt -CW	1k Watt-peak	1.25	0.4	20	T44S	NF3100-350
3000-3400	Defense/radar	Isolator	100 Watt -CW	50 Watt -CW	1k Watt-peak	1.25	0.4	20	T44L	NF1100-350
3100-3500	Defense/radar	Circulator	100 Watt -CW	100 Watt -CW	1k Watt-peak	1.25	0.4	20	T44S	NF3100-400
3100-3500	Defense/radar	Isolator	100 Watt -CW	50 Watt -CW	1k Watt-peak	1.25	0.4	20	T44L	NF1100-400
3400-3600	All and WIMAX	Circulator	15 Watt -CW	15 Watt -CW	NA	1.25	0.4	20	T44L	NF3106-100
3400-3600	All and WIMAX	Isolator	15 Watt -CW	15 Watt -CW	NA	1.25	0.4	20	T44L	NF1106-100
3400-3800	All and WIMAX	Circulator	15 Watt -CW	15 Watt -CW	NA	1.25	0.4	20	T44L	NF3106-200
3400-3800	All and WIMAX	Isolator	15 Watt -CW	15 Watt -CW	NA	1.25	0.4	20	T44L	NF1106-200
3500-3700	All and WIMAX	Circulator	15 Watt -CW	15 Watt -CW	NA	1.25	0.4	20	T44L	NF3106-200
3500-3700	All and WIMAX	Isolator	15 Watt -CW	15 Watt -CW	NA	1.25	0.4	20	T44L	NF1106-200
4200-4400	Defense& Space/Altimetry	Isolator	10 Watt -CW	2 Watt -CW	50Watt-peak	1.25	0.4	21	T44 space	NG1140-200
5250-5350	Space	Circulator	20 Watt -CW	20 Watt -CW	NA	1.25	0.4	21	T44 space	NG3140-500
5300-5500	Defense& Space/Altimetry	Isolator	20 Watt -CW	20 Watt -CW	NA	1.25	0.4	21	T44 space	NG1140-500
5650-5800	Defense& Space/Altimetry	Isolator	10 Watt -CW	2 Watt -CW	50Watt-peak	1.25	0.4	21	T44 space	NG1140-00
5650-5800	Defense& Space/Altimetry	Isolator	10 Watt -CW	2 Watt -CW	50Watt-peak	1.25	0.4	21	T44 space	NG1140-100
7900-8700	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-517
7925-8575	Defense&Space/radar	Circulator	10 Watt -CW	10 Watt -CW	40Watt-peak	1.25	0.5	20	T61	NJ3123-100
7900-10100	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.3	0.5	18	T60	NJ1119-00
8000-8500	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-504
8300-10100	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.3	0.5	18	T60	NJ1129-00
8400-8700	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-050
8400-8550	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-503
8700-9400	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T60	NJ1109-00
8700-10400	Defense&Space/radar	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak	1.3	0.6	18	NJ1	NJ1110-100

Isolators & Circulators

Dropin circulators & isolators
SMD circulators & isolators

DROPIN CIRCULATORS & ISOLATORS

Frequency (MHz)	Description & Application	Type	Power (Watts)			V.S.W.R	I.L (dB)	Isol (dB)	Package	Part Number Family
			Forward (CW)	Reverse (CW)	Forward (peak)					
9000-10000	Defense&Space/radar	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak	1.25	0.5	20	NJ1	NJ1110-000
9100-10000	Defense&Space/radar	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak	1.25	0.5	20	NJ1	NJ1124-000
9200-10300	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-060
9300-9900	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T60	NJ1129-100
9360-9840	Defense&Space/radar	Isolator	10 Watt -CW	1 Watt -CW	10Watt-peak	1.25	0.5	20	T61	NJ1129-500
9500-9800	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-070
9500-9800	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-080
9900-10900	Defense&Space/radar	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak	1.25	0.5	20	NJ1	NJ1124-100
10000-12500	Defense&Space/Telecommunication	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.3	0.6	18	NJ1	NJ1130-000
10700-12700	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.4	20	T63	NJ1183-150
10700-12700	Defense&Space	Isolator	10 Watt -CW	5 Watt -CW	40Watt-peak.2% DC	1.25	0.4	20	T64	NJ1184-150
10900-11700	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-090
10900-11700	Defense&Space	Isolator	10 Watt -CW	5 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T64	NJ1184-090
11000-12000	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-100
11000-12000	Defense&Space	Isolator	10 Watt -CW	5 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T64	NJ1184-100
12750-13250	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-200
12750-13250	Defense&Space	Isolator	10 Watt -CW	5 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T64	NJ1184-200
13000-14000	Defense&Space/Telecommunication	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.5	20	NJ1	NJ1140-000
13200-13400	Defense&Space/Telecommunication	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	NJ1	NJ1140-100
14250-15350	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-300
14250-15350	Defense&Space	Isolator	10 Watt -CW	5 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T64	NJ1184-300
14300-15600	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-400
14300-15600	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-500
14300-15600	Defense&Space	Isolator	10 Watt -CW	5 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T64	NJ1184-400
14500-15500	Ku-band All ap	Isolator	2 Watt -CW	2 Watt -CW	NA	1.25	0.5	20	T80	NJ1180-600
14500-15500	Defense&Space	Isolator	10 Watt -CW	5 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-600
14500-15500	Defense&Space	Isolator	10 Watt -CW	5 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T64	NJ1184-600
16000-17300	Ku-band All ap	Isolator	2 Watt -CW	2 Watt -CW	NA	1.25	0.5	20	T80	NJ1180-701
16800-18000	Ku-band All ap	Isolator	2 Watt -CW	2 Watt -CW	NA	1.25	0.5	20	T80	NJ1180-700
16800-18000	Ku-band All ap	Isolator	2 Watt -CW	2 Watt -CW	NA	1.25	0.5	20	T80	NJ1180-700
16800-18000	Defense&Space	Isolator	10 Watt -CW	5 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-700
16800-18000	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T64	NJ1184-700
17700-19700	Ku-band All ap	Isolator	2 Watt -CW	2 Watt -CW	NA	1.3	0.6	18	T80	NJ1180-600
17700-19700	Ku-band All ap	Isolator	2 Watt -CW	2 Watt -CW	NA	1.3	0.6	18	T80	NJ1180-800
17700-19700	Defense&Space	Isolator	10 Watt -CW	5 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T63	NJ1183-800
17700-19700	Defense&Space	Isolator	10 Watt -CW	2 Watt -CW	40Watt-peak.2% DC	1.25	0.3	21	T64	NJ1184-800

SMD CIRCULATORS & ISOLATORS

Frequency (MHz)	Description & Application	Type	Power (Watts)			V.S.W.R	I.L (dB)	Isol (dB)	Package	Part Number Family
			Forward (CW)	Reverse (CW)	Forward (peak)					
300-310	PMR	Isolator	10 Watt-CW	2 Watt -CW	NA	1.25	0.7	17	U12	UB1140-100
330-360	PMR	Isolator	10 Watt-CW	2 Watt -CW	NA	1.4	1.00	15	U12	UB1140-200
360-400	PMR	Isolator	10 Watt-CW	2 Watt -CW	NA	1.4	1.2	15	U12	UB1140-300
380-400	PMR	Isolator	10 Watt-CW	2 Watt -CW	NA	1.65	1.00	12	U10	UB1103-100
380-430	PMR	Isolator	10 Watt-CW	2 Watt -CW	NA	1.3	1.00	14	U12	UB1140-400
403-433	PMR	Isolator	10 Watt-CW	2 Watt -CW	NA	1.65	1.00	12	U10	UB1103-200
406-470	PMR	Isolator	10 Watt-CW	2 Watt -CW	NA	1.5	1.2	14	U12	UB1140-500
450-458	CDMA	Isolator	10 Watt-CW	2 Watt -CW	NA	1.25	0.7	18	U10	UB1103-300
450-470	CDMA	Isolator	10 Watt-CW	2 Watt -CW	NA	1.35	0.8	16	U10	UB1103-400
806-870	GSM	Isolator	10 Watt-CW	2 Watt -CW	NA	1.4	0.8	16	U10	UC1130-200
819-854	GSM	Isolator	10 Watt-CW	2 Watt -CW	NA	1.4	0.8	16	U10	UC1130-600
865-870	GSM	Isolator	10 Watt-CW	2 Watt -CW	NA	1.25	0.5	18	U10	UC1130-300
869-894	GSM	Isolator	10 Watt-CW	2 Watt -CW	NA	1.35	0.7	16	U10	UC1130-100
880-915	GSM	Isolator	10 Watt-CW	2 Watt -CW	NA	1.35	0.7	16	U10	UC1130-400
880-950	GSM	Isolator	10 Watt-CW	2 Watt -CW	NA	1.4	0.8	15	U10	UC1130-700
915-945	GSM	Isolator	10 Watt-CW	2 Watt -CW	NA	1.4	0.7	15	U10	UC1130-800
925-960	GSM	Isolator	10 Watt-CW	2 Watt -CW	NA	1.35	0.7	16	U10	UC1130-500
960-1215	Defense/IFF	Circulator	20 Watt-CW	10 Watt -CW	1kWatt-peak.2% DC	1.35	0.6	17	T42 L	CD3100-100
1020-1080	Defense/IFF	Circulator	20 Watt-CW	10 Watt -CW	1kWatt-peak.2% DC	1.35	0.6	17	T42 L	CD3100-200
1080-1100	Defense/IFF	Circulator	20 Watt-CW	10 Watt -CW	1kWatt-peak.2% DC	1.35	0.6	17	T42 L	CD3100-210
1025-1150	others	Isolator	10 Watt-CW	2 Watt -CW	NA	1.35	0.7	16	U10	UD1131-100
1273-1293	others	Isolator	10 Watt-CW	2 Watt -CW	NA	1.35	0.7	16	U10	UD1131-200
1626-1660	others	Isolator	10 Watt-CW	2 Watt -CW	NA	1.4	0.8	15	U10	UD1131-300
1710-1785	GSM	Isolator	10 Watt-CW	2 Watt -CW	NA	1.35	0.7	16	U10	UD1131-400
1805-1880	GSM	Isolator	10 Watt-CW	2 Watt -CW	NA	1.35	0.7	16	U10	UD1131-500
1930-1990	GSM	Isolator	10 Watt-CW	2 Watt -CW	NA	1.35	0.7	16	U10	UD1131-600
2090-2190	UMTS	Isolator	10 Watt-CW	2 Watt -CW	NA	1.35	0.7	16	U10	UE1133-100
2100-2170	UMTS	Isolator	10 Watt-CW	2 Watt -CW	NA	1.35	0.7	16	U10	UE1133-200
8400-10400	Defense	Circulator	10 Watt-CW	10 Watt-CW	20Watt-peak	1.25	0.3	20	CJ9	CJ3109
8400-10400	Defense	Isolator	10 Watt-CW	1 Watt-CW	20Watt-peak	1.25	0.3	20	CJ9	CJ1109
8400-10400	Defense	Circulator	10 Watt-CW	10 Watt-CW	20Watt-peak	1.25	0.3	20	CJ8	CJ3108
8400-10400	Defense	Circulator	10 Watt-CW	1 Watt-CW	20Watt-peak	1.25	0.3	20	CJ8	CJ3108
8400-10400	Defense	Dual Circulator-Isolator	10 Watt-CW	1 Watt-CW	20Watt-peak	1.25	0.3	20	PCJ9	CJ4109
8400-10400	Defense	Dual Circulator-Isolator	10 Watt-CW	5 Watt-CW	50Watt-peak	1.25	0.3	20	PCJ9	CJ4112
8400-10400	Defense	Isolator	10 Watt-CW	5 Watt-CW	50Watt-peak	1.25	0.3	20	CJ9	CJ1112
8500-10500	Defense	Circulator	10 Watt-CW	10 Watt-CW	20Watt-peak	1.25	0.3	20	CJ9	CJ3109
8500-10500	Defense	Isolator	10 Watt-CW	1 Watt-CW	20Watt-peak	1.25	0.3	20	CJ9	CJ1109
8500-10500	Defense	Circulator	10 Watt-CW	10 Watt-CW	20Watt-peak	1.25	0.3	20	CJ8	CJ3108
8500-10500	Defense	Isolator	10 Watt-CW	1 Watt-CW	20Watt-peak	1.25	0.3	20	CJ8	CJ1108
8500-10500	Defense	Dual Circulator-Isolator	10 Watt-CW	1 Watt-CW	20Watt-peak	1.25	0.3	20	PCJ9	CJ4109
8500-10500	Defense	Dual Circulator-Isolator	10 Watt-CW	5 Watt-CW	50Watt-peak	1.25	0.3	20	PCJ9	CJ4112
8500-10500	Defense	Isolator	10 Watt-CW	5 Watt-CW	50Watt-peak	1.25	0.3	20	CJ9	CJ1112

Isolators & Circulators

Waveguide circulators & isolators
Differential phase shift circulators
Coaxial loads
Waveguide loads for space

WAVEGUIDE CIRCULATORS & ISOLATORS

Frequency (MHz)	Description & Application	Type	Power (Watts)			V.S.W.R	I.L (dB)	Isol (dB)	Package	Part Number Family
			Forward (CW)	Reverse (CW)	Forward (peak)					
2425-2475	Professionnal microwave heating	Isolator	3000	3000	NA	1.20	0.15	20	WR340	FE1021
2425-2475	Professionnal microwave heating	Isolator	6000	6000	NA	1.20	0.15	20	WR340	FE1022
2850-3300	radar	Circulator	1500		100 kW	1.30	0.30	18	WR284	FE3007
2750-3000	radar	Circulator	1600		70 kW	1.22	0.25	20	WR284	FE3011
2700-3000	radar	Circulator	2500		25 kW	1.15	0.15	22	WR284	FE3010
2993-3003	Medical	Circulator	2500		2500 kW	1.15	0.15	23	WR284	FE3001
4400-5000	radar	Circulator	1500		NA	1.15	0.30	20	WR187	FG3005
5400-5900	radar	Circulator	1500		70 Kw	1.15	0.30	23	WR187	FG3007
5850-6425	radar	Circulator	3500	350	NA	1.15	0.15	25	WR137	FH3006
5850-6425	radar	Circulator	6000	600	NA	1.15	0.15	25	WR137	FH3007
7100-8500	radar	Circulator	20	N.A	NA	1.22	0.20	20	WR112	FH3022
8075-8260	space	Isolator	120	120	NA	1.15	0.15	23	WR112	FH1005
7025-7750	space	Isolator	120	120	NA	1.15	0.15	23	WR112	FH1005
7900-8400	All	Circulator	200		NA	1.20	0.30	20	WR112	FI3002
7900-8400	All	Circulator	1400	150	NA	1.20	0.25	20	WR112	FI3005
8000-8400	space	Isolator	120	120	NA	1.20	0.20	23	WR112	FI1009
7750-7850	space	Isolator	40	40	NA	1.15	0.15	23	WR112	FI3011
8025-8400	space	Isolator	40	40	NA	1.15	0.15	23	WR112	FI3011
8380-8800	space	Isolator	50	50	NA	1.15	0.15	23	WR112	FI1009
8200-10500	radar	Circulator	25		5 kW	1.20	0.40	20	WR90	FI3007
8500-9600	radar	Circulator	500		10 kW	1.15	0.20	23	WR90	FI3004
10500-12200	radar	Circulator	25		5 kW	1.15	0.20	23	WR90	FJ3019
10700-12750	space	Isolator	155	155	NA	1.20	0.20	20	WR75	FJ1031
10700-11700	space	Isolator	155	155	NA	1.15	0.15	23	WR75	FJ1031
11700-12750	space	Isolator	155	155	NA	1.15	0.15	23	WR75	FJ1031
10700-11700	All	Circulator	25		2 kW	1.12	0.20	26	WR75	FJ3020
11700-12500	All	Circulator	25		2 kW	1.12	0.20	26	WR75	FJ3021
14000-14500	All	Circulator	25		2 kW	1.12	0.20	26	WR75	FJ3018
14000-14500	All	Circulator	2000		NA	1.15	0.25	25	WR75	FJ3010
10950-11700	space	Isolator	100		NA	1.10	0.15	25	WR75	FJ1029
11700-12200	space	Isolator	100		NA	1.10	0.15	25	WR75	FJ1030
16000-17000	All	Isolator	55		55 Kw	1.30	0.50	18	WR62	FJ3025
17000-18000	All	Circulator	100		400	1.15	0.15	23	WR51	FJ3038
17700-19400	space	Circulator	150	150	NA	1.20	0.15	21	WR51	FJ1008
18300-20200	space	Isolator	150	150	NA	1.20	0.15	21	WR51	FJ1008
20700-20200	space	Isolator	150	150	NA	1.20	0.15	21	WR51	FJ1008
17700-21000	space	Isolator	150	150	NA	1.30	0.20	18	WR51	FJ1008
20000-22000	space	Isolator	150	150	NA	1.30	0.20	18	WR51	FJ1008
19500-21500	space	Isolator	50	50	NA	1.20	0.20	20	WR51	FJ1008
19500-21500	space	Isolator	200	200	NA	1.20	0.20	20	WR51	FJ1008
17700-19700	All	Isolator	1		NA	1.15	0.30	25	WR42	FJ3008
18000-21000	All	Circulator	1		NA	1.15	0.30	25	WR42	FJ3008
20300-23600	All	Circulator	1		NA	1.15	0.30	25	WR42	FJ3008
22900-23700	space	Circulator	20	20	NA	1.15	0.25	23	WR42	FJ1016
25000-27000	space	Isolator	1	1	NA	1.20	0.20	20	WR34	FK1008
25000-26500	space	Isolator	30	30	NA	1.20	0.30	20	WR34	FK1019
25000-26500	space	Isolator	60	60	NA	1.20	0.30	20	WR34	FK1019
27000-32000	All	Isolator	2		2 kW	1.25	0.50	20	WR28	FK3001

WAVEGUIDE CIRCULATORS & ISOLATORS

Frequency (MHz)	Description & Application	Type	Power (Watts)			V.S.W.R	I.L (dB)	Isol (dB)	Package	Part Number Family
			Forward (CW)	Reverse (CW)	Forward (peak)					
33000-37000	All	Circulator	2		2 kW	1.25	0.50	20	WR28	FK3007
35000-40000	All	Circulator	2		2 kW	1.25	0.50	20	WR28	FK3002
29500-31500	space	Circulator	1	1	NA	1.20	0.30	20	WR28	FK1013

DIFFERENTIAL PHASE SHIFT CIRCULATORS

Frequency (MHz)	Description & Application	Type	Power (Watts)			V.S.W.R	I.L (dB)	Isol (dB)	Package	Part Number Family
			Forward (CW)	Reverse (CW)	Forward (peak)					
2700-2900	radar	duplexer	3000		1500 Kw	1.20	0.40	25	WR284	FE6004
2900-3100	radar	duplexer	10000		660 Kw	1.20	0.40	25	WR284	FE6005
2900-3100	medical	duplexer	6000	6000	6000 Kw	1.15	0.30	20	WR284	FE6001
4400-5000	All	duplexer	2000		NA	1.12	0.20	23	WR187	FG4201
5925-6425	All	duplexer	1500		NA	1.15	0.20	20	WR137	FH6002
5925-6425	All	duplexer	3000		NA	1.15	0.20	20	WR137	FH600
8500-9600	radar	duplexer	300		250 Kw	1.20	0.50	20	WR90	FI6001
9600-10400	radar	duplexer	1500		50 Kw	1.15	0.30	20	WR90	FJ6013
10000-10250	All	duplexer	2500		NA	1.15	0.35	20	WR90	FJ6004
14000-14500	All	duplexer	2500		NA	1.20	0.30	22	WR62	FJ6001

COAXIAL LOADS

Frequency (GHz)	Description & Application	Power (Watts)			Return loss (dB)	Package	Part Number
		Forward (CW)	Reverse (CW)	Peak (10% Duty Cycle)			
3.40-4.80	Space approved	110 W	NA	NA	23	TNC F	BG9022

WAVEGUIDE LOADS FOR SPACE

Frequency (GHz)	Description & Application	Power (Watts)			Return loss (dB)	Package	Part Number
		Forward (CW)	Reverse (CW)	Peak (10% Duty Cycle)			
7.25-7.75	Space approved	120 W	NA	NA	26	WR112	FH9015
8.0-8.4	Space approved	1 W	NA	NA	25	WR112	FI9004
8.25-10.0	Space approved	100 Mw	NA	NA	30	WR90	FI9007
10.7-12.75	Space approved	155 W	NA	NA	26	WR75	FJ9015
10.7-12.75	Space approved	25 W	NA	NA	21	WR75	FJ9016
12-18.4	vacuum ground testing	1 W	NA	NA	20	WR62	FJ9028
13.3-13.8	Space approved	20 W	NA	NA	23	WR62	FJ9028
13.75-14.5	Space approved	1 mW	NA	NA	23	WR62	FJ9021
17.0-22.0	Space approved	10 mW	NA	NA	23	WR51	FJ9034
17.3-18.1	Space approved	1 mW	NA	NA	23	WR62	FJ9021
17.7-22	Space approved	150 W	NA	NA	20	WR51	FJ9018
19-21.2	Space approved	10 mW	NA	NA	23	WR51	FJ9034
25.0-26.5	Space approved	10 mW	NA	NA	26	WR34	FK9016
29.0-31.0	Space approved	10 mW	NA	NA	23	WR28	FK9017
28-.0-30.7	Space approved	5 W	NA	NA	23	WR34	FK9019

Silicon Pin Diodes

Mos Capacitors

SINGLE PAD MOS CAPACITORS : SPACE & DEFENCE APPLICATIONS

Voltage rating V	Application	Capacitance pF	Tolerance		Pad type	Dimension per side µm	Part Number (Round pad) 20% tolerance	Part Number (Square pad) 20% tolerance
			Standard	Options				
			%					
40	MMIC decoupling	8.2	± 20	±10. ±5. ±2	Round or Square	400	400M106C8R2M	400M106A8R2M
40	MMIC decoupling	10	± 20	±10. ±5. ±2	Round or Square	400	400M106C100M	400M106A100M
40	MMIC decoupling	12	± 20	±10. ±5. ±2	Round or Square	400	400M106C120M	400M106A120M
40	MMIC decoupling	15	± 20	±10. ±5. ±2	Round or Square	400	400M106C150M	400M106A150M
40	MMIC decoupling	18	± 20	±10. ±5. ±2	Round	600	400M107C180M	-
40	MMIC decoupling	18	± 20	±10. ±5. ±2	Square	540		400M104A180M
40	MMIC decoupling	22	± 20	±10. ±5. ±2	Round	600	400M107C220M	-
40	MMIC decoupling	22	± 20	±10. ±5. ±2	Square	540		400M104A220M
40	MMIC decoupling	27	± 20	±10. ±5. ±2	Round	600	400M107C270M	-
40	MMIC decoupling	27	± 20	±10. ±5. ±2	Square	540		400M104A270M
40	MMIC decoupling	33	± 20	±10. ±5. ±2	Round or Square	600	400M107C330M	400M107A330M
40	MMIC decoupling	39	± 20	±10. ±5. ±2	Round or Square	600	400M107C390M	400M107A390M
40	MMIC decoupling	47	± 20	±10. ±5. ±2	Round or Square	800	400M108C470M	400M108A470M
40	MMIC decoupling	56	± 20	±10. ±5. ±2	Round or Square	800	400M108C560M	400M108A560M
40	MMIC decoupling	68	± 20	±10. ±5. ±2	Round or Square	800	400M108C680M	400M108A680M
40	MMIC decoupling	82	± 20	±10. ±5. ±2	Round or Square	1000	400M110C820M	400M110A820M
40	MMIC decoupling	100	± 20	±10. ±5. ±2	Round or Square	1000	400M110C101M	400M110A101M
100	MMIC decoupling	3.9	± 20	±10. ±5. ±2	Round or Square	400	101M106C3R9M	101M106A3R9M
100	MMIC decoupling	4.7	± 20	±10. ±5. ±2	Round or Square	400	101M106C4R7M	101M106A4R7M
100	MMIC decoupling	5.6	± 20	±10. ±5. ±2	Round or Square	400	101M106C5R6M	101M106A5R6M
100	MMIC decoupling	6.8	± 20	±10. ±5. ±2	Round or Square	400	101M106C6R8M	101M106A6R8M
100	MMIC decoupling	10	± 20	±10. ±5. ±2	Round	600	101M107C100M	-
100	MMIC decoupling	10	± 20	±10. ±5. ±2	Square	540		101M104A100M
100	MMIC decoupling	12	± 20	±10. ±5. ±2	Round	600	101M107C120M	-
100	MMIC decoupling	12	± 20	±10. ±5. ±2	Square	540		101M104A120M
100	MMIC decoupling	15	± 20	±10. ±5. ±2	Round or Square	600	101M107C150M	101M107A150M
100	MMIC decoupling	22	± 20	±10. ±5. ±2	Round or Square	800	101M108C220M	101M108A220M
100	MMIC decoupling	27	± 20	±10. ±5. ±2	Round or Square	800	101M108C270M	101M108A270M
100	MMIC decoupling	33	± 20	±10, ±5. ±2	Round or Square	800	101M108C330M	101M108A330M
100	MMIC decoupling	39	± 20	±10. ±5. ±2	Round or Square	800	101M108C390M	101M108A390M
200	MMIC decoupling	0.22	± 20	±10	Square	400	-	201M106A0R22M
200	MMIC decoupling	0.27	± 20	±10	Square	400	-	201M106A0R27M
200	MMIC decoupling	0.33	± 20	±10	Square	400	-	201M106A0R33M
200	MMIC decoupling	0.39	± 20	±10	Square	400	-	201M106A0R39M
200	MMIC decoupling	0.47	± 20	±10	Square	400	-	201M106A0R47M
200	MMIC decoupling	0.56	± 20	±10	Square	400	-	201M106A0R56M
200	MMIC decoupling	0.68	± 20	±10	Square	400	-	201M106A0R68M
200	MMIC decoupling	0.82	± 20	±10	Square	400	-	201M106A0R82M
200	MMIC decoupling	1	± 20	±10	Square	400	-	201M106A1R0M
200	MMIC decoupling	1.2	± 20	±10	Square	400	-	201M106A1R2M
200	MMIC decoupling	1.5	± 20	±10	Square	400	-	201M106A1R5M
200	MMIC decoupling	1.8	± 20	±10	Square	400	-	201M106A1R8M
200	MMIC decoupling	2.2	± 20	±10. ±5. ±2	Round or Square	400	201M106C2R2M	201M106A2R2M
200	MMIC decoupling	2.7	± 20	±10. ±5. ±2	Round or Square	400	201M106C2R7M	201M106A2R7M
200	MMIC decoupling	3.3	± 20	±10. ±5. ±2	Round or Square	400	201M106C3R3M	201M106A3R3M
200	MMIC decoupling	3.9	± 20	±10. ±5. ±2	Round	600	201M107C3R9M	-
200	MMIC decoupling	3.9	± 20	±10. ±5. ±2	Square	540		201M104A3R9M

SINGLE PAD MOS CAPACITORS : SPACE & DEFENCE APPLICATIONS

Voltage rating V	Application	Capacitance pF	Tolerance		Pad type	Dimension per side µm	Part Number (Round pad) 20% tolerance	Part Number (Square pad) 20% tolerance
			Standard	Options				
			%					
200	MMIC decoupling	4.7	± 20	±10. ±5. ±2	Round	600	201M107C4R7M	-
200	MMIC decoupling	4.7	± 20	±10. ±5. ±2	Square	540		201M104A4R7M
200	MMIC decoupling	5.6	± 20	±10. ±5. ±2	Round	600	201M107C5R6M	-
200	MMIC decoupling	5.6	± 20	±10. ±5. ±2	Square	540		201M104A5R6M
200	MMIC decoupling	6.8	± 20	±10. ±5. ±2	Round	600	201M107C6R8M	-
200	MMIC decoupling	6.8	± 20	±10. ±5. ±2	Square	540		201M104A6R8M
200	MMIC decoupling	8.2	± 20	±10. ±5. ±2	Round or Square	600	201M107C8R2M	201M107A8R2M
200	MMIC decoupling	10	± 20	±10. ±5. ±2	Round or Square	800	201M108C100M	201M108A100M
200	MMIC decoupling	12	± 20	±10. ±5. ±2	Round or Square	800	201M108C120M	201M108A120M
200	MMIC decoupling	15	± 20	±10. ±5. ±2	Round or Square	800	201M108C150M	201M108A150M
200	MMIC decoupling	18	± 20	±10. ±5. ±2	Round or Square	800	201M108C180M	201M108A180M
400	MMIC decoupling	1	± 20	±10	Round	400	401M106C1R0M	-
400	MMIC decoupling	1.2	± 20	±10	Round	400	401M106C1R2M	-
400	MMIC decoupling	1.5	± 20	±10	Round	400	401M106C1R5M	-
400	MMIC decoupling	1.8	± 20	±10	Round	400	401M106C1R8M	-
500	MMIC decoupling	0.22	± 20	±10	Round	400	501M106C0R22M	-
500	MMIC decoupling	0.27	± 20	±10	Round	400	501M106C0R27M	-
500	MMIC decoupling	0.33	± 20	±10	Round	400	501M106C0R33M	-
500	MMIC decoupling	0.39	± 20	±10	Round	400	501M106C0R39M	-
500	MMIC decoupling	0.47	± 20	±10	Round	400	501M106C0R47M	-
500	MMIC decoupling	0.56	± 20	±10	Round	400	501M106C0R56M	-
500	MMIC decoupling	0.68	± 20	±10	Round	400	501M106C0R68M	-
500	MMIC decoupling	0.82	± 20	±10	Round	400	501M106C0R82M	-

MULTI PADS MOS CAPACITORS

Voltage rating V	Application	Lowest capacitance pad pF	Number of Steps	Min Capacitance value pF	Max Capacitance value pF	Tolerance %	Size Side µm	Part Number 20% tolerance
40	MMIC decoupling	10	3	10	30	± 20%. Option: ±10%	550	400M114J100M
40	MMIC decoupling	10	6	10	60	± 20%. Option: ±10%	750	400M113J100M
100	MMIC decoupling	0.5	23	0.5	11.5	± 20%. Option: ±10%	500	101M111J0R5M
100	MMIC decoupling	0.8	11	0.8	8.8	± 20%. Option: ±10%	500	101M112J0R8M
200	MMIC decoupling	0.25	23	0.25	5.75	± 20%. Option: ±10%	500	201M111J0R25M
200	MMIC decoupling	0.4	11	0.4	4.4	± 20%. Option: ±10%	500	201M112J0R4M
400	MMIC decoupling	0.12	23	0.12	2.76	± 20%. Option: ±10%	500	401M111J0R12M
400	MMIC decoupling	0.2	11	0.2	2.2	± 20%. Option: ±10%	500	401M112J0R2M

Silicon Pin Diodes

Switching Pin Diodes

SWITCHING PIN DIODES

Breakdown Voltage Vbr @ Ir = 10 µA V	Application	Capacitance @ F= 1 MHz pF		Serie Resistance Rs @ F= 120 MHz Ω	Minority Carrier Lifetime τl If =10mA. Ir=6 mA	Package (1)	Part Number
Min.		Typ.	Max.	Max.			
		@ Vr = 6V		*@ If = 10 mA*	*Typ. (ns)*		
30	Ultra Fast switching	0.08	0.12	1.8	20	Die	EH50033-00
30	Ultra Fast switching	0.12	0.17	1.5	20	Die	EH50034-00
30	Ultra Fast switching	0.17	0.23	1	25	Die	EH50035-00
30	Ultra Fast switching	0.23	0.4	0.9	30	Die	EH50036-00
30	Ultra Fast switching	0.24	0.29	1.5	20	M208b	DH50034-03
30	Ultra Fast switching	0.26	0.3	1.8	20	F27d	DH50033-01
30	Ultra Fast switching	0.29	0.35	1	25	M208a	DH50035-02
30	Ultra Fast switching	0.4	0.6	0.7	40	Die	EH50037-00
30	Ultra Fast switching	0.52	0.72	0.7	40	M208a	DH50037-02
30	Ultra Fast switching	-	0.8pF @ Vr=0V	1	40	SOT323. serie diode	DH50037-85N
35	Ultra Fast switching	0.25	0.3		150	SOT23. single diode	DH50051-51N
35	Ultra Fast switching	0.25	0.3	2.5 @ 5 mA	150	SOT23. common cathode	DH50051-53N
35	Ultra Fast switching	0.25	0.3	2.5 @ 5 mA	150	SOT23. common anode	DH50051-54N
35	Ultra Fast switching	0.25	0.3	2.5 @ 5 mA	150	SOT23. serie diode	DH50051-55N
35	Ultra Fast switching	0.25	0.3	2.5 @ 5 mA	150	SOT143	DH50051-70N
35	Ultra Fast switching	-	1pF @ Vr=0V	0.5	200	SOT23. single diode	DH50058-51N
35	Ultra Fast switching	-	1pF @ Vr=0V	0.5	200	SOT23. common cathode	DH50058-53N
35	Ultra Fast switching	-	1pF @ Vr=0V	0.5	200	SOT23. common anode	DH50058-54N
50	Ultra Fast switching	0.06	0.08	1.6	30	Die	EH50052-00
50	Ultra Fast switching	0.08	0.12	1.4	30	Die	EH50053-00
50	Ultra Fast switching	0.12	0.17	1.1	35	Die	EH50054-00
50	Ultra Fast switching	0.17	0.23	1	40	Die	EH50055-00
50	Ultra Fast switching	0.18	0.2	1.6	30	M208a	DH50052-02
50	Ultra Fast switching	0.23	0.4	0.9	50	Die	EH50056-00
50	Ultra Fast switching	0.24	0.29	1.1	35	M208b	DH50054-02
50	Ultra Fast switching	0.25	0.35	1.5	200	SOT23. single diode	DH50053-51N
50	Ultra Fast switching	0.25	0.35	1.5	200	SOT23. common cathode	DH50053-53N
50	Ultra Fast switching	0.25	0.35	1.5	200	SOT23. common anode	DH50053-54N
50	Ultra Fast switching	0.25	0.35	1.5	200	SOT23. serie diode	DH50053-55N
50	Ultra Fast switching	0.29	0.35	1	40	M208c	DH50055-01
50	Ultra Fast switching	0.4	0.6	0.7	60	Die	EH50057-00
50	Ultra Fast switching	0.45	0.7	0.7	60	DFN-2L1. single diode	DH50057-90N
50	Ultra Fast switching	0.52	0.72	0.7	60	M208a	DH50057-01
		@ Vr = 50V		*@ If = 50 mA*	*Min (µs)*		
50	Fast switching	0.6	0.7	0.9	1	Melf. SMD4	SQM1050N
50	Fast switching	0.6	0.7	1	1	Melf. SMD4	SQM2050N
50	Fast switching	0.9	1.2	0.75	2	Melf. SMD4	SQM1250N
50	Fast switching	1	1.2	0.35	1	Melf. SMD4	SQM2150N
50	Fast switching	1.1	1.7	0.6	3.5	Melf. SMD6	SQM1350N
50	Fast switching	1.8	2.5	0.75	5	Melf. SMD8	SQM1450N

(1): other package available on request. consult factory





SWITCHING PIN DIODES

Breakdown Voltage Vbr @ Ir = 10 µA V	Application	Capacitance @ F= 1 MHz pF		Serie Resistance Rs @ F= 120 MHz Ω	Minority Carrier Lifetime τl If =10mA. Ir=6 mA	Package (1)	Part Number
		Typ.	Max.	Max.			
		@ Vr = 6V		*@ If = 10 mA*	*Typ. (ns)*		
70	Ultra Fast switching	0.04	0.06	2	50	Die	EH50071-00
70	Ultra Fast switching	0.06	0.08	1.7	50	Die	EH50072-00
70	Ultra Fast switching	0.08	0.12	1.6	60	Die	EH50073-00
70	Ultra Fast switching	0.12	0.17	1.4	60	Die	EH50074-00
70	Ultra Fast switching	0.16	0.18	2	50	M208a	DH50071-06
70	Ultra Fast switching	0.17	0.23	1	100	Die	EH50075-00
70	Ultra Fast switching	0.23	0.4	0.9	100	Die	EH50076-00
70	Ultra Fast switching	0.24	0.29	1.4	60	M208b	DH50074-01
70	Ultra Fast switching	0.4	0.6	0.7	150	Die	EH50077-00
100	Ultra Fast switching	0.02	0.03	2.5	60	Die	EH50100-00
100	Ultra Fast switching	0.04	0.06	1.9	150	Die	EH50101-00
100	Ultra Fast switching	0.06	0.08	1.7	150	Die	EH50102-00
100	Ultra Fast switching	0.08	0.12	1.4	200	Die	EH50103-00
100	Ultra Fast switching	0.14	0.18	1.9	150	DFN-2L1. single diode	DH50101-90N
100	Ultra Fast switching	0.12	0.17	1.2	250	Die	EH50104-00
200	Ultra Fast switching	0.13	0.22	1.5	500	DFN-2L1. single diode	DH50103-90N
100	Ultra Fast switching	0.17	0.23	1	300	Die	EH50105-00
100	Ultra Fast switching	0.23	0.4	0.8	400	Die	EH50106-00
100	Ultra Fast switching	0.3	0.35	1.2	250	F27d	DH50104-01
100	Ultra Fast switching	0.4	0.6	0.6	500	Die	EH50107-00
100	Ultra Fast switching	0.62	0.63	1.9	150	BH194	DH50101-15
		@ Vr = 50V		*@ If = 10 mA*	*Typ. (ns)*		
100	Ultra Fast switching	-	0.35	3	500	SOT23. single diode	DH50103-51N
100	Ultra Fast switching	-	0.35	3	500	SOT23. common cathode	DH50103-53N
100	Ultra Fast switching	-	0.35	3	500	SOT23. common anode	DH50103-54N
100	Ultra Fast switching	-	1.2	0.6	1000	SOT23. single diode	DH50109-51N
100	Ultra Fast switching	-	1.2	0.6	1000	SOT23. common cathode	DH50109-53N
100	Ultra Fast switching	-	1.2	0.6	1000	SOT23. common anode	DH50109-54N
100	Ultra Fast switching	-	1.2	0.6	1000	SOT23. serie diode	DH50109-55N
100	Ultra Fast switching	-	1.2	0.6	1000	SOD323	DH50109-60N

(1): other package available on request. consult factory

Silicon Pin Diodes

Switching Pin Diodes

SWITCHING PIN DIODES

Breakdown Voltage Vbr @ Ir = 10 µA V	Application	Capacitance @ F= 1 MHz pF		Serie Resistance Rs @ F= 120 MHz Ω	Minority Carrier Lifetime τl If =10mA. Ir=6 mA	Package (1)	Part Number
		Typ.	Max.	Max.			
		@ Vr = 50V		*@ If = 10 mA*	*Typ. (ns)*		
150	Fast switching	0.04	0.06	2	200	Die	EH50151-00
150	Fast switching	0.06	0.08	1.7	230	Die	EH50152-00
150	Fast switching	0.08	0.12	1.5	300	Die	EH50153-00
150	Fast switching	0.12	0.17	1.4	500	Die	EH50154-00
150	Fast switching	0.17	0.23	1	550	Die	DH50155-00
150	Fast switching	0.18	0.2	1.7	230	M208b	DH50152-01
150	Fast switching	0.2	0.24	1.5	300	M208a	DH50153-02
150	Fast switching	0.23	0.4	0.8	800	Die	EH50156-00
150	Fast switching	0.24	0.29	1.4	500	M208c	DH50154-02
150	Fast switching	0.29	0.35	1	550	M208b	DH50155-03
150	Fast switching	0.4	0.6	0.6	950	Die	EH50157-00
150	Fast switching	0.52	0.72	0.6	950	M208b	DH50157-01
150	Fast switching	0.64	0.66	2	200	BH198	DH50151-14
200	Fast switching	0.04	0.06	2.3	300	Die	EH50201-00
200	Fast switching	0.06	0.08	2.1	400	Die	EH50202-00
200	Fast switching	0.08	0.12	1.5	500	Die	EH50203-00
200	Fast switching	0.12	0.17	1.3	650	Die	EH50204-00
200	Fast switching	0.17	0.23	1	800	Die	EH50205-00
200	Fast switching	0.18	0.2	2.1	400	M208f	DH50202-01
200	Fast switching	0.20	0.25	1.5	500	DFN-2L1. single diode	DH50203-90N
200	Fast switching	0.23	0.4	0.8	950	Die	EH50206-00
200	Fast switching	0.25	0.35	3	500	SOT23. single diode	DH50203-51N
200	Fast switching	0.25	0.35	3	500	SOT23. common cathode	DH50203-53N
200	Fast switching	0.25	0.35	3	500	SOT23. common anode	DH50203-54N
200	Fast switching	0.25	0.35	3	500	SOT23. serie diode	DH50203-55N
200	Fast switching	0.25	0.35	3	500	SOD323	DH50203-60N
200	Fast switching	0.26	0.3	1.5	500	F27d	DH50203-01
200	Fast switching	0.29	0.35	1	800	M208f	DH50205-02
200	Fast switching	0.3	0.35	1.3	650	F27d	DH50204-01
200	Fast switching	0.4	0.6	0.7	1050	Die	EH50207-00
200	Fast switching	0.8	1.1	0.6	1000	DFN-2L1. single diode	DH50209-90N
200	Fast switching	1pF max @ 100V		0.5	1500	Die	EH50209-01
200	Fast switching	1	1.15	3	500	F27d	DH50209-01
200	Fast switching	1	1.2	0.6	1000	SOT23. serie diode	DH50209-55N
		@ Vr = 50V		*@ If = 50 mA*	*Min (µs)*		
200	Fast switching	1	1.2	0.35	1	Melf. SMD4	SQM1150N
200	Fast switching	1	1.2	0.25	1	Melf. SMD4	DH50209-06N

(1): other package available on request. consult factory





SWITCHING PIN DIODES

Breakdown Voltage Vbr @ Ir = 10 µA V	Application	Capacitance @ F= 1 MHz pF		Serie Resistance Rs @ F= 120 MHz Ω	Minority Carrier Lifetime τl If =10mA. Ir=6 mA	Package (1)	Part Number
Min.		Typ.	Max.	Max.			
		@ Vr = 50V		*@ If = 10 mA*	*Typ. (ns)*		
250	Fast switching	0.04	0.06	2.4	330	Die	EH50251-00
250	Fast switching	0.06	0.08	2.2	500	Die	EH50252-00
250	Fast switching	0.08	0.12	2	900	Die	EH50253-00
250	Fast switching	0.12	0.17	1.4	900	Die	EH50254-00
250	Fast switching	0.16	0.22	2.4	330	M208b	DH50251-02
250	Fast switching	0.17	0.23	0.9	1000	Die	EH50255-00
250	Fast switching	0.23	0.4	0.8	1150	Die	EH50256-00
250	Fast switching	0.29	0.35	0.9	1000	M208a	DH50255-04
250	Fast switching	0.3	0.35	1.4	900	F27d	DH50254-02
250	Fast switching	0.35	0.41	0.9	1000	F27d	DH50255-01
250	Fast switching	0.41	0.58	0.8	1150	F27d	DH50256-02
250	Fast switching	0.43	0.6	0.8	1150	BH142a	DH50256-01
400	Fast switching	0.038	0.057	Rs(20mA) <3	<4000	Die	EH50250-07
400	Fast switching	0.04	0.06	3	900	Die	EH50401-01
400	High Power Switching	0.45	0.6	2	2000	SOT23. single diode	DH80051-51N
400	High Power Switching	0.14	0.16	3	700	DFN-2L1. single diode	DH50401-90N
		@ Vr = 50V		*@ If = 100 mA*	*Min (µs)*		
450	High Power Switching	0.045	0.06	2	1.5	Die	EH80041-00
450	High Power Switching	0.08	0.12	1.2	2	Die	EH80042-00
450	High Power Switching	0.1	0.16	2	1.5	DFN-2L1. single diode	DH80041-90N
450	High Power Switching	0.1	0.16	2	1.5	DFN-3L1. serie diode	DH80041-93N
450	High Power Switching	0.15	0.2	2	1.5	M208b	DH80041-03

(1): other package available on request. consult factory

Silicon Pin Diodes

Switching Pin Diodes

SWITCHING PIN DIODES

Breakdown Voltage Vbr @ Ir = 10 µA V	Application	Capacitance @ F= 1 MHz pF		Serie Resistance Rs @ F= 120 MHz Ω	Minority Carrier Lifetime τl If =10mA. Ir=6 mA	Package (1)	Part Number
Min.		Typ.	Max.	Max.			
		@ Vr = 50V		*@ IF=200mA*	*Min (µs)*		
500	High Power Switching	0.15	0.2	0.65	1.1	Die	EH80050-00
500	High Power Switching	0.3	0.4	0.55	1.5	Die	EH80051-00
500	High Power Switching	0.33	0.38	0.65	1.1	F27d	DH80050-01
500	MRI: High Power Switching	0.4	0.45	0.65	1.1	Melf. SMD4AM	DH80050-40N
500	High Power Switching	0.4	0.45	0.65	1.1	Melf. SMD4	DH80050-06N
500	High Power Switching		0.4	0.85	1.1	Melf. SMD4	DH80050-07N
500	High Power Switching	0.45	0.55	0.55	1.5	BH202N	DH80051-03
500	High Power Switching	0.55	0.65	0.55	1.5	BH35	DH80051-05
500	MRI: High Power Switching	0.55	0.65	0.55	1.5	Melf. SMD4AM	DH80051-40N
500	High Power Switching	0.55	0.65	0.55	1.5	Melf. SMD4	DH80051-06N
500	High Power Switching	0.6	0.7	0.3	2	Die	EH80052-00
500	High Power Switching	0.78	0.88	0.3	2	F27d	DH80052-01
500	High Power Switching	0.8	0.9	0.25	2.5	Die	EH80053-00
500	MRI: High Power Switching	0.85	1.05	0.35	2.1	Melf. SMD4AM	DH80052-40N
500	High Power Switching	0.85	1.05	0.35	2.1	Melf. SMD4	DH80052-06N
500	High Power Switching	0.98	1.08	0.25	2.5	F27d	DH80053-01
500	High Power Switching	1	1.1	0.25	2.5	BH301	DH80053-02
500	MRI: High Power Switching	1.05	1.2	0.3	2.5	Melf. SMD4AM	DH80053-40N
500	High Power Switching	1.05	1.2	0.3	2.5	Melf. SMD4	DH80053-06N
500	High Power Switching	1.2	1.3	0.22	3	Die	EH80055-00
500	MRI: High Power Switching	1.25	1.4	0.22	3	DFN-2L2. single diode	DH80055-94N
500	High Power Switching	1.25	1.35	0.27	3	Melf. SMD4	DH80054-06N
500	MRI: High Power Switching	1.25	1.35	0.27	3	Melf. SMD4AM	DH80054-40N
500	High Power Switching	1.35	1.45	0.25	3.5	BH202N	DH80055-03
500	High Power Switching	1.38	1.48	0.25	3.5	F27d	DH80055-01
500	MRI: High Power Switching	1.45	1.55	0.25	3.5	Melf. SMD4AM	DH80055-40N
500	High Power Switching	1.45	1.55	0.25	3.5	Melf. SMD6	DH80055-20N
500	High Power Switching	1.45	1.55	0.25	3.5	Melf. SMD4	DH80055-06N
800	High Power Switching	0.15	0.35	0.7	2	Die	EH80080-00
800	High Power Switching	0.3	0.5	0.7	2	BMH76	DH80080-01
800	High Power Switching	0.3	0.5	0.7	2	BH202N	DH80080-02
800	High Power Switching	0.33	0.53	0.7	2	F27d	DH80080-00
800	High Power Switching	0.8	0.9	0.3	3	Die	EH80083-00
800	MRI: High Power Switching	0.9	1.00	0.35	3	Melf. SMD4AM	DH80082-40N
800	High Power Switching	0.9	1.00	0.35	3	Melf. SMD4	DH80082-06N
800	High Power Switching	1.0	1.1	0.3	3	BH301	DH80083-02
800	High Power Switching	1.2	1.3	0.3	3	BH141	DH80083-05
800	High Power Switching	1.4	1.7	0.28	5	Die	EH80086-00
900	MRI: High Power Switching	1.25	2	0.3	7	BH158AM	DH80106-11N

(1): other package available on request. consult factory

SWITCHING PIN DIODES

Breakdown Voltage Vbr @ Ir = 10 µA V	Application	Capacitance @ F= 1 MHz pF		Serie Resistance Rs @ F= 120 MHz Ω	Minority Carrier Lifetime τl If =10mA. Ir=6 mA	Package (1)	Part Number
Max.		Typ.	Max.	Max.			
		@ Vr = 50V		*@ IF=200mA*	*Min (µs)*		
1000	High Power Switching	0.3	0.4	0.6	3.00	Die	EH80100-00
1000	MRI: High Power Switching	0.35	0.5	0.6	3.00	DFN-2L2. single diode	DH80100-94N
1000	High Power Switching	0.5	0.6	0.6	3.00	BH142a	DH80100-04
1000	MRI: High Power Switching	0.55	0.65	0.6	3.00	Melf. SMD4AM	DH80100-40N
1000	High Power Switching	0.55	0.65	0.6	3.00	Melf. SMD4	DH80100-06N
1000	High Power Switching	0.6	0.75	0.35	4.00	Die	EH80102-00
1000	MRI: High Power Switching	0.65	0.85	0.35	4.00	DFN-2L2. single diode	DH80102-94N
1000	High Power Switching	0.75	0.9	0.35	4.00	BH202N	DH80102-03
1000	High Power Switching	0.8	0.95	0.35	4.00	BH301	DH80102-02
1000	High Power Switching	0.85	1.05	0.35	4.00	Melf. SMD8	DH80102-24N
1000	MRI: High Power Switching	0.85	1.0	0.35	4.00	Melf. SMD8AM	DH80102-44N
1000	High Power Switching	0.85	1.0	0.35	4.00	Melf. SMD6	DH80102-20N
1000	MRI: High Power Switching	1.25	2	0.3	7	Melf. SMD8AM	DH80106-44N
1000	High Power Switching	1.25	2	0.3	7	Melf. SMD8	DH80106-24N
1000	High Power Switching	1.4	1.7	0.3	7.00	Die	EH80106-00
1000	High Power Switching	1.55	1.85	0.3	7.00	BH202N	DH80106-03
1000	High Power Switching	1.8	2.1	0.3	7.00	BH141	DH80106-01
		@ Vr = 100V		*@ IF=300mA*	*Min (µs)*		
1200	High Power Switching	0.3	0.4	0.55	6	Die	EH80120-00
1200	High Power Switching	0.5	0.6	0.55	6	BH301	DH80120-02
1200	High Power Switching	0.45	0.55	0.55	6	BH202N	DH80120-03
1200	High Power Switching	1	1.2	0.35	10	Die	EH80124-00
1200	High Power Switching	1.25	1.45	0.35	10	BH35	DH80124-04
1200	High Power Switching	1.4	1.6	0.35	10	BH141	DH80124-01
1200	High Power Switching	1.4	1.7	0.3	12	Die	EH80126-00
1200	High Power Switching	2	2.3	0.25	15	Die	EH80129-00
1200	High Power Switching	2.4	2.7	0.25	15	BH141	DH80129-01
1500	High Power Switching	1	1.2	0.35	10	Die	EH80154-00
1500	High Power Switching	1.4	1.6	0.35	10	BH300	DH80154-02
1500	High Power Switching	2	2.3	0.25	15	Die	EH80159-00
1500	High Power Switching	2.4	2.7	0.25	15	BH141	DH80159-01

(1): other package available on request. consult factory

Silicon Pin Diodes

Switching Pin Diodes
Attenuator Pin Diodes
Hyperabrupt Tuning Varactors

SWITCHING PIN DIODES

Breakdown Voltage Vbr @ Ir = 10 µA V	Application	Capacitance @ F= 1 MHz pF		Serie Resistance Rs @ F= 120 MHz Ω	Minority Carrier Lifetime τl If =10mA. Ir=6 mA	Package (1)	Part Number
Min.		Typ.	Max.	Max.			
		@ Vr = 200V		*@ IF=300mA*	*Min (µs)*		
1800	High Power Switching	0.6	0.8	0.5	12	Die	EH80182-00
1800	High Power Switching	0.85	1.05	0.5	12	BH35	DH80182-04
1800	High Power Switching	1.00	1.2	0.5	12	BH141	DH80182-01
1800	High Power Switching	2	2.4	0.3	18	Die	EH80189-00
2000	High Power Switching	1	1.3	0.4	14	Die	EH80204-00
2000	High Power Switching	1.4	1.7	0.4	14	BH300	DH80204-02
2000	High Power Switching	1.4	1.7	0.4	14	BH141	DH80204-01
2000	High Power Switching	1.4	1.7	0.4	14	BH158	DH80204-07
2000	High Power Switching	2	2.4	0.3	18	Die	EH80209-00
2000	High Power Switching	2.4	2.8	0.3	18	BH300	DH80209-02
2000	High Power Switching	2.4	2.8	0.3	18	BH141	DH80209-01
2000	High Power Switching	3	3.4	0.15	25	Die	EH80210-00
2000	High Power Switching	3.4	3.8	0.15	25	BH300	DH80210-02
2000	High Power Switching	3.4	3.8	0.15	25	BH200a	DH80210-03
2000	High Power Switching	3.4	3.8	0.15	25	BH303	DH80210-04
		@ Vr = 200V		*@ IF=500mA*	*Min (µs)*		
2800	High Power Switching	1.9	2.5	0.25	48	BH158	DH80289-01
2800	High Power Switching	1.9	2.5	0.25	48	BH141	DH80289-02

(1): other package available on request. consult factory (2) : If = 2 mA. Ir = 5 mA

ATTENUATOR PIN DIODES

Breakdown Voltage Vbr @ Ir = 10 µA V	Application	Capacitance @ F= 1 MHz. @ 50V pF		Serie Resistance. Rs @ F = 120 MHz Ω						Minority Carrier Lifetime If = 10 mA. If = 6 mA	Package (1)	Part Number
				If = 0.1 mA		If = 1 mA		If = 10 mA		µs		
Typ.		Typ.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Typ.		
100	Attenuator. AGC	.0.05	0.10	300	700	50	100	6.0	12.5	2.5	Die	EH40141-00
100	Attenuator. AGC	0.10	0.30	150	400	25	50	3.0	7.0	5.0	Die	EH40144-00
100	Attenuator. AGC	0.10	0.30	300	700	50	100	6.0	12.5	7.0	Die	EH40225-00
100	Attenuator. AGC	0.17	0.22	300	700	50	100	6.0	12.5	2.5	M208b	DH40141-01
100	Attenuator. AGC	0.22	0.42	150	400	25	50	3.0	7.0	5.0	M208a	DH40144-02
100	Attenuator. AGC	0.25	0.35	300	700	50	100	6.0	12.5	2.5	SOT23. single diode	DH40141-51N
100	Attenuator. AGC	0.25	0.35	300	700	50	100	6.0	12.5	2.5	SOT23. common cathode	DH40141-53N
100	Attenuator. AGC	0.25	0.35	300	700	50	100	6.0	12.5	2.5	SOT23. common anode	DH40141-54N
100	Attenuator. AGC	0.25	0.35	300	700	50	100	6.0	12.5	2.5	SOT23. serie diode	DH40141-55N
100	Attenuator. AGC	0.25	0.35	300	700	50	100	6.0	12.5	2.5	SOT323. Single diode. dual output	DH40141-87N (*)
100	Attenuator. AGC	0.30	0.55	150	400	25	50	3.0	7	5.0	SOT23. single diode	DH40144-51N
100	Attenuator. AGC	0.30	0.55	150	400	25	50	3.0	7	5.0	SOT23. common cathode	DH40144-53N
100	Attenuator. AGC	0.30	0.55	150	400	25	50	3.0	7	5.0	SOT23. serie diode	DH40144-55N
100	Attenuator. AGC	0.30	0.55	300	700	50	100	6.0	12.5	7.0	SOT23. single diode	DH40225-51N

(1): other package available on request. consult factory





ATTENUATOR PIN DIODES

Breakdown Voltage Vbr @ Ir = 10 µA V	Application	Capacitance @ F= 1 MHz. @ 50V pF		Serie Resistance. Rs @ F = 120 MHz Ω						Minority Carrier Lifetime If = 10 mA. If = 6 mA	Package (1)	Part Number
				If = 0.1 mA		If = 1 mA		If = 10 mA		µs		
Typ.		Typ.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Typ.		
100	Attenuator. AGC	0.30	0.55	300	700	50	100	6.0	12.5	7.0	SOT23. common cathode	DH40225-53N
100	Attenuator. AGC	0.30	0.55	300	700	50	100	6.0	12.5	7.0	SOT23. serie diode	DH40225-55N
100	Attenuator. AGC	0.30	0.5	300	650	50	80	6	11	7.0	SOT143	DH40226-72N
100	Attenuator. AGC	0.30	0.5	300	650	50	80	6	11	7.0	SOT23. single diode	DH40226-51N

(*): DH40141 - 87N: Rs at 100mA < 3Ω *(1): other package available on request. consult factory*

HYPERABRUPT TUNING VARACTORS

Breakdown Voltage Vbr @ Ir = 10 µA V	Application	Capacitance @ F=1MHz pF				Tuning Ratio @ F=1MHz		Figure of Merit @ F = 50 MHz. Vr=4V	Package (1)	Part Number
		Vr = 1V	Vr = 4V	Vr = 12V	Vr = 20V	Ct1V / Ct12V	Ct1V / Ct20V			
Min.		Typ.	@ ±20%	Typ.	Typ.	Typ.	Typ.	Typ.		
20V	VCO. Tunable filter	2.3	1.0	0.4	0.3	5.5	7.3	2200	Die	EH76010-00
20V	VCO. Tunable filter	2.4	1.1	0.5	0.4	4.7	5.8	2200	M208a	DH76010-01
20V	VCO. Tunable filter	2.6	1.3	0.7	0.6	4.1	4.9	2200	SOT23. single diode	DH76010-51N
20V	VCO. Tunable filter	2.6	1.3	0.7	0.6	4.1	4.9	2200	SOT23. common cathode	DH76010-53N
20V	VCO. Tunable filter	2.6	1.3	0.7	0.6	4.1	4.9	2200	SOD323	DH76010-60N
20V	VCO. Tunable filter	3.4	1.5	0.6	0.5	5.5	6.6	2000	Die	EH76015-00
20V	VCO. Tunable filter	3.5	1.6	0.7	0.6	4.9	5.7	2000	M208a	DH76015-01
20V	VCO. Tunable filter	3.6	1.7	0.8	0.7	4.5	5.1	2000	F27d	DH76015-02
20V	VCO. Tunable filter	3.7	1.8	0.9	0.8	4.4	5.4	2000	SOT23. single diode	DH76015-51N
20V	VCO. Tunable filter	3.7	1.8	0.9	0.8	4.4	5.4	2000	SOT23. common cathode	DH76015-53N
20V	VCO. Tunable filter	3.7	1.8	0.9	0.8	4.4	5.4	2000	SOD323	DH76015-60N
20V	VCO. Tunable filter	5.0	2.2	0.9	0.7	5.5	7.0	1700	Die	EH76022-00
20V	VCO. Tunable filter	5.1	2.3	1.0	0.8	5.1	6.4	1700	BH15	DH76022-10
20V	VCO. Tunable filter	5.1	2.3	1.0	0.8	5.0	6.2	1700	M208a	DH76022-02
20V	VCO. Tunable filter	5.3	2.5	1.2	1.0	4.7	5.8	1700	SOT23. single diode	DH76022-51N
20V	VCO. Tunable filter	5.3	2.5	1.2	1.0	4.7	5.8	1700	SOT23. common cathode	DH76022-53N
20V	VCO. Tunable filter	5.3	2.5	1.2	1.0	4.7	5.8	1700	SOD323	DH76022-60N
20V	VCO. Tunable filter	7.5	3.3	1.4	1.1	5.3	6.7	1400	Die	EH76033-00
20V	VCO. Tunable filter	7.6	3.4	1.5	1.2	5.0	6.2	1400	M208b	DH76033-01
20V	VCO. Tunable filter	7.8	3.6	1.7	1.4	4.9	6.1	1400	SOT23. single diode	DH76033-51N
20V	VCO. Tunable filter	7.8	3.6	1.7	1.4	4.9	6.1	1400	SOT23. common cathode	DH76033-53N
20V	VCO. Tunable filter	7.8	3.6	1.7	1.4	4.9	6.1	1400	SOD323	DH76033-60N
20V	VCO. Tunable filter	7.8	3.6	1.7	1.4	4.9	6.1	1400	SOT143	DH76033-70N
20V	VCO. Tunable filter	10.8	4.7	2.0	1.5	5.4	7.1	1000	Die	EH76047-00
20V	VCO. Tunable filter	10.9	4.8	2.1	1.6	5.2	6.8	1000	M208b	DH76047-02
20V	VCO. Tunable filter	11.1	5.0	2.3	1.8	5.0	6.4	1000	SOT23. single diode	DH76047-51N
20V	VCO. Tunable filter	11.1	5.0	2.3	1.8	5.0	6.4	1000	SOT23. common cathode	DH76047-53N

(1): other package available on request. consult factory

Silicon Pin Diodes

Hyperabrupt Tuning Varactors
Abrupt Tuning Varactors

HYPERABRUPT TUNING VARACTORS

Breakdown Voltage Vbr @ Ir = 10 µA	Application	Capacitance @ F=1MHz pF				Tuning Ratio @ F=1MHz		Figure of Merit @ F = 50 MHz. Vr=4V	Package (1)	Part Number
V		Vr = 1V	Vr = 4V	Vr = 12V	Vr = 20V	Ct1V / Ct12V	Ct1V / Ct20V			
Min.		Typ.	@ ±20%	Typ.	Typ.	Typ.	Typ.	Typ.		
20V	VCO. Tunable filter	11.1	5.0	2.3	1.8	5.0	6.4	1000	SOD323	DH76047-60N
20V	VCO. Tunable filter	15.8	6.7	2.8	2.2	5.6	7.1	700	Die	EH76068-00
20V	VCO. Tunable filter	15.9	6.8	2.9	2.3	5.5	6.9	700	M208a	DH76068-02
20V	VCO. Tunable filter	16.1	7.0	3.1	2.5	5.1	6.5	700	SOT23. single diode	DH76068-51N
20V	VCO. Tunable filter	16.1	7.0	3.1	2.5	5.1	6.5	700	SOT23. common cathode	DH76068-53N
20V	VCO. Tunable filter	16.1	7.0	3.1	2.5	5.1	6.5	700	SOD323	DH76068-60N
20V	VCO. Tunable filter	22.8	10.0	4.3	3.3	5.3	6.9	400	Die	EH76100-00
20V	VCO. Tunable filter	23.1	10.3	4.6	3.6	5.2	6.7	400	SOT23. single diode	DH76100-51N
20V	VCO. Tunable filter	23.1	10.3	4.6	3.6	5.2	6.7	400	SOT23. common cathode	DH76100-53N
20V	VCO. Tunable filter	23.1	10.3	4.6	3.6	5.2	6.7	400	SOD323	DH76100-60N
20V	VCO. Tunable filter	24.0	10.2	4.4	3.4	5.5	7.1	400	M208a	DH76100-02
20V	VCO. Tunable filter	33.8	15.0	6.4	4.9	5.3	6.9	140	Die	EH76150-00
20V	VCO. Tunable filter	34.0	15.2	6.5	5.0	5.2	6.8	140	M208a	DH76150-02
20V	VCO. Tunable filter	34.1	15.3	6.7	5.2	5.2	6.8	140	SOD323	DH76150-60N
20V	VCO. Tunable filter	34	15.2	6.6	5.1	5.2	6.8	140	F27d	DH76150-01

(1): other package available on request. consult factory

ABRUPT TUNING VARACTORS

Breakdown Voltage Vbr @ Ir = 10 µA	Application	Capacitance @ F=1MHz pF	Figure of Merit @ F = 50 MHz. Vr=4V	Tuning Ratio @ F= 1 MHz	Package (1)	Part Number
V		Vr = 4V		Ct0V / Ct30V		
Min.		Typ.	Min.	Min.		
		@ ±20%				
30V	VCO. Tunable filter	0.4	4500	3.3	Die	EH71004-00
30V	VCO. Tunable filter	0.52	4500	3.1	M208a	DH71004-02
30V	VCO. Tunable filter	0.58	4500	3	F27d	DH71004-01
30V	VCO. Tunable filter	0.6	4500	3.7	Die	EH71006-00
30V	VCO. Tunable filter	0.72	4500	3.7	M208b	DH71006-03
30V	VCO. Tunable filter	0.8	4400	4	Die	EH71008-00
30V	VCO. Tunable filter	0.92	4400	3.8	M208b	DH71008-03
30V	VCO. Tunable filter	0.98	4400	3.7	F27d	DH71008-01
30V	VCO. Tunable filter	1	4300	4.3	Die	EH71010-00
30V	VCO. Tunable filter	1.12	4300	4.3	M208a	DH71010-14
30V	VCO. Tunable filter	1.18	4300	4	F27d	DH71010-01
30V	VCO. Tunable filter	1.2	4200	4.5	Die	EH71012-00
30V	VCO. Tunable filter	1.25	4300	4.3	SOT23. single diode	DH71010-51N
30V	VCO. Tunable filter	1.25	4300	4.3	SOT23. common cathode	DH71010-53N
30V	VCO. Tunable filter	1.25	4300	4.3	SOD323	DH71010-60N
30V	VCO. Tunable filter	1.32	4200	4.5	M208b	DH71012-02
30V	VCO. Tunable filter	1.38	4200	4.3	F27d	DH71012-01

ABRUPT TUNING VARACTORS

Breakdown Voltage Vbr @ Ir = 10 µA	Application	Capacitance @ F=1MHz pF	Figure of Merit @ F = 50 MHz. Vr=4V	Tuning Ratio @ F= 1 MHz	Package (1)	Part Number
V		Vr = 4V		Ct0V / Ct30V		
Min.		Typ.	Min.	Min.		
		@ ±20%				
30V	VCO. Tunable filter	1.6	4100	4.6	Die	EH71016-00
30V	VCO. Tunable filter	1.8	4100	4.6	BH28	DH71016-13
30V	VCO. Tunable filter	1.85	4100	4.6	SOT23. single diode	DH71016-51N
30V	VCO. Tunable filter	1.85	4100	4.6	SOT23. common cathode	DH71016-53N
30V	VCO. Tunable filter	2	3900	4.7	Die	EH71020-00
30V	VCO. Tunable filter	2.12	3900	4.7	M208b	DH71020-03
30V	VCO. Tunable filter	2.18	3900	4.6	F27d	DH71020-01
30V	VCO. Tunable filter	2.25	3900	4.7	SOT23. single diode	DH71020-51N
30V	VCO. Tunable filter	2.25	3900	4.7	SOT23. common cathode	DH71020-53N
30V	VCO. Tunable filter	2.25	3900	4.8	SOD323	DH71020-60N
30V	VCO. Tunable filter	2.5	3600	4.8	Die	EH71025-00
30V	VCO. Tunable filter	2.7	3600	4.8	BH28	DH71025-10
30V	VCO. Tunable filter	3	3400	4.8	Die	EH71030-00
30V	VCO. Tunable filter	3.18	3400	4.7	F27d	DH71030-01
30V	VCO. Tunable filter	3.2	3400	4.8	BH28	DH71030-12
30V	VCO. Tunable filter	3.25	3400	4.8	SOT23. single diode	DH71030-51N
30V	VCO. Tunable filter	3.25	3400	4.8	SOT23. common cathode	DH71030-53N
30V	VCO. Tunable filter	3.25	3400	4.8	SOD323	DH71030-60N
30V	VCO. Tunable filter	3.7	3200	4.8	Die	EH71037-00
30V	VCO. Tunable filter	3.9	3200	4.8	BH28	DH71037-10
30V	VCO. Tunable filter	4.5	3000	4.9	Die	EH71045-00
30V	VCO. Tunable filter	4.62	3000	4.9	M208c	DH71045-15
30V	VCO. Tunable filter	4.75	3000	4.8	SOT23. single diode	DH71045-51N
30V	VCO. Tunable filter	5.4	2800	4.9	Die	EH71054-00
30V	VCO. Tunable filter	5.65	2800	4.9	F30	DH71054-03
30V	VCO. Tunable filter	5.75	3000	4.1	SOT23. common cathode	DH71045-53N
		± 10%				
30V	VCO. Tunable filter	6.9	2600	4.9	BH28	DH71067-11
30V	VCO. Tunable filter	6.95	2600	4.9	SOT23. single diode	DH71067-51N
30V	VCO. Tunable filter	8.2	2400	5	BH142a	DH71080-02
30V	VCO. Tunable filter	10.2	2200	5	F27d	DH71100-10
30V	VCO. Tunable filter	10.25	2200	5	SOT23. single diode	DH71100-51N
30V	VCO. Tunable filter	10.25	2200	5	SOT23. common cathode	DH71100-53N
30V	VCO. Tunable filter	12.2	2000	5.1	BH28	DH71120-10
30V	VCO. Tunable filter	15.2	1800	5.1	BH28	DH71150-11
30V	VCO. Tunable filter	15.4	1800	5.1	BH158am	DH71150-01
30V	VCO. Tunable filter	22.2	1400	5.2	BH142f	DH71220-03
30V	VCO. Tunable filter	56.2	650	5.2	F27d	DH71560-01
30V	VCO. Tunable filter	56.2	650	5.2	BH142a	DH71560-10
30V	VCO. Tunable filter	100	300	5.2	F27d	DH71999-01

Silicon Pin Diodes

Abrupt Tuning Varactors
Limiter Pin Diodes
Frequency Multiplier Pin Diodes

ABRUPT TUNING VARACTORS

Breakdown Voltage Vbr @ Ir = 10 µA	Application	Capacitance @ F=1MHz pF	Figure of Merit @ F = 50 MHz. Vr=4V		Tuning Ratio @ F= 1 MHz	Package (1)	Part Number
V		Vr = 4V					
Min.		Typ.	Typ.		Typ.		
					Tuning ratio Ct0V / Ct45V		
45V	VCO. Tunable filter	0.4	3000	-	3.5	Die	EH72004-01
45V	VCO. Tunable filter	3	2300	-	5.5	Die	EH72030-00
45V	VCO. Tunable filter	3.18	2300	-	5.5	F27d	DH72030-01
45V	VCO. Tunable filter	3.7	2200	-	5.6	Die	EH72037-00
45V	VCO. Tunable filter	6.7	1800	-	5.9	Die	EH72067
					Tuning ratio Ct0V / Ct90V		
90V	VCO. Tunable filter	82	150		10	Die	DH74820

(1): other package available on request. consult factory

LIMITER PIN DIODES

Breakdown Voltage Vbr @ Ir = 10 µA		Application	Capacitance @ F = 1 MHz pF			Serie Resistance Rs @ F = 120 MHz Ω	Minority Carrier Lifetime τI ns	Threshold @ F= 2.7 GHz. 1 dB Limiting dBm	Leakage power Pout @ F= 2.7GHz dBm	Peak Power with Pulse = 1 µs DC =1% dBm	CW power Pin W	Package (1)	Part Number
Min.	Max.		@ Vr = 0V	@ Vr = 6V		If = 10 mA	If= 10 mA. Ir = 6 mA	Typ.	Typ.	Max.	Max.		
			Typ.	Min.	Max.	Max.	Typ.						
25	50	Limiter	0.14	0.08	0.12	1.8	20	10	20	50	2.0	Die	EH60033-00
25	50	Limiter	0.2	0.12	0.17	1.5	20	10	20	50	2.0	Die	EH60034-00
25	50	Limiter	0.26	0.2	0.24	1.8	20	10	20	50	2.0	M208b	DH60033-03
25	50	Limiter	0.28	0.17	0.23	1	25	10	21	52	2.5	Die	EH60035-00
25	50	Limiter	0.32	0.26	0.3	1.8	20	10	20	50	2.0	F27d	DH60033-02
25	50	Limiter	0.32	0.24	0.29	1.5	20	10	20	50	2.0	M208b	DH60034-03
25	50	Limiter	0.38	0.3	0.35	1.5	20	10	20	50	2.0	F27d	DH60034-02
25	50	Limiter	0.45	0.23	0.4	0.9	30	10	22	53	3.0	Die	EH60036-00
25	50	Limiter	0.46	0.35	0.41	1	25	10	21	52	2.5	F27d	DH60035-01
25	50	Limiter	0.57	0.35	0.52	0.9	30	10	22	53	3.0	M208b	DH60036-03
25	50	Limiter	0.63	0.41	0.69	0.9	30	10	22	53	3.0	F27d	DH60036-01
25	50	Limiter	0.7	0.4	0.6	0.7	40	10	23	56	4.0	Die	EH60037-00
25	50	Limiter	0.82	0.52	0.72	0.7	40	10	23	56	4.0	M208b	DH60037-02
25	50	Limiter	0.88	0.77	0.83	1	25	10	21	52	2.5	BH198	DH60035-16
50	70	Limiter	0.1	0.06	0.08	1.8	30	15	24	52	2.5	Die	EH60052-00
50	70	Limiter	0.22	0.18	0.2	1.8	30	15	24	52	2.5	M208a	DH60052-02
50	70	Limiter	0.25	0.21	0.23	1.8	30	15	24	52	2.5	BMH76	DH60052-01
50	70	Limiter	0.26	0.2	0.24	1.4	30	15	24	52	2.5	M208f	DH60053-02
50	70	Limiter	0.2	0.12	0.17	1.1	35	15	25	53	3.0	Die	EH60054-00
50	70	Limiter	0.38	0.3	0.35	1.1	35	15	25	53	3.0	F27d	DH60054-02
50	70	Limiter	0.28	0.17	0.23	1	40	15	26	54	3.5	Die	EH60055-00





LIMITER PIN DIODES

Breakdown Voltage Vbr @ Ir = 10 µA		Application	Capacitance @ F = 1 MHz pF			Serie Resistance Rs @ F = 120 MHz Ω	Minority Carrier Lifetime τI ns	Threshold @ F= 2.7 GHz. 1 dB Limiting dBm	Leakage power Pout @ F= 2.7GHz dBm	Peak Power with Pulse = 1 µs DC =1% dBm	CW power Pin W	Package (1)	Part Number
Min.	Max.		@ Vr = 0V	@ Vr = 6V		If = 10 mA	If= 10 mA. Ir = 6 mA	Typ.	Typ.	Max.	Max.		
			Typ.	Min.	Max.	Max.	Typ.						
50	70	Limiter	0.4	0.29	0.35	1	40	15	26	54	3.5	M208b	DH60055-03
50	70	Limiter	0.45	0.23	0.4	0.9	50	15	27	57	4.0	Die	EH60056-00
50	70	Limiter	0.57	0.35	0.52	0.9	50	15	27	57	4.0	M208b	DH60056-01
50	70	Limiter	0.7	0.4	0.6	0.8	60	15	28	58	5.0	Die	EH60057-00
50	70	Limiter	0.82	0.52	0.72	0.8	60	15	28	58	5.0	M208b	DH60057-03
50	70	Limiter	0.85	0.55	0.75	0.8	60	15	28	58	5.0	BMH76	DH60057-02
70	90	Limiter	0.1	0.06	0.08	1.7	50	18	27	54	3.0	Die	EH60072-00
70	90	Limiter	0.2	0.12	0.17	1.4	60	18	30	55	4.0	Die	EH60074-00
70	90	Limiter	0.32	0.24	0.29	1.4	60	18	30	55	4.0	M208a	DH60074-01
70	90	Limiter	0.45	0.23	0.4	0.9	100	18	32	58	5.0	Die	EH60076-00
70	90	Limiter	0.57	0.35	0.52	0.9	100	18	32	58	5.0	M208a	DH60076-02
90	120	Limiter	0.1	0.06	0.08	1.7	150	20	31	56	3.5	Die	EH60102-00
90	120	Limiter	0.2	0.12	0.17	1.2	250	20	33	59	5.0	Die	EH60104-00
90	120	Limiter	0.32	0.24	0.29	1.2	250	20	33	59	5.0	M208b	DH60104-01
90	120	Limiter	0.45	0.23	0.4	0.8	400	20	35	61	7.0	Die	EH60106-00
90	120	Limiter	0.57	0.35	0.52	0.8	400	20	35	61	7.0	M208b	DH60106-03
90	120	Limiter	0.63	0.41	0.58	0.8	400	20	35	61	7.0	F27d	DH60106-01

(1): other package available on request. consult factory

FREQUENCY MULTIPLIER PIN DIODES

Breakdown Voltage Vbr @ Ir = 10 µA V		Application	Capacitance F=1MHz. Vr = 6V pF		Minority carrier Lifetime τl If =10mA. Ir=6 mA ns	Snap-Off Time t_{so} If = 10 mA. Vr = 10V ps	Output Frequency F.out GHz	Package (1)	Part Number
Min.	Max.		Min.	Max.	Min.	Max.			
15	25	High Multiplication order	0.2	0.3	6	60	10 - 25	Die	EH267-00
15	25	High Multiplication order	0.32	0.42	6	60	10 - 25	M208b	DH267-41
20	35	High Multiplication order	0.2	0.5	10	75	8 - 16	Die	EH292 - 00
20	35	High Multiplication order	0.32	0.62	10	75	8 - 16	M208b	DH292-105
20	35	High Multiplication order	0.38	0.68	10	75	8 - 16	F27d	DH292-00
30	45	High Multiplication order	0.5	1.1	20	120	5 - 12	Die	EH256 - 00
30	45	High Multiplication order	0.62	1.22	20	120	5 - 12	M208b	DH256-57
30	45	High Multiplication order	0.68	1.3	20	120	5 - 12	F27d	DH256-00
40	60	High Multiplication order	0.9	2.0	35	200	2 - 8	Die	EH252-00
40	60	High Multiplication order	1.05	2.15	35	200	2 - 8	M208b	DH252-01
40	60	High Multiplication order	1.2	2.2	35	200	2 - 8	F27d	DH252-00
45	70	High Multiplication order	4.0	7.0	125	400	0.2 - 2	Die	EH294-00
45	70	High Multiplication order	4.15	7.15	125	400	0.2 - 2	M208a	DH294-28
45	70	High Multiplication order	4.2	7.2	125	400	0.2 - 2	BH142a	DH294-27

(1): other package available on request. consult factory

Silicon Pin Diodes

Step Recovery Diodes
Voltage Multiplier Diodes
Anti Parallel Pin Diodes

STEP RECOVERY DIODES

Breakdown Voltage Vbr @ Ir = 10 µA V	Application	Capacitance F=1MHz. Vr = 6V pF	Minority carrier Lifetime τl If =10mA. Ir=6 mA ns	Snap-Off Time t_{so} If = 10 mA. Vr = 10V ps		Package (1)	Part Number
Min.		Max.	Min.	Typ.	Max.		
25	Comb generator	0.4	10	75	100	Die	EH545 -00
25	Comb generator	0.52	10	75	100	M208b	DH545 -01
25	Comb generator	0.65	10	75	100	SOT23. single diode	DH545-51N
25	Comb generator	0.65	10	75	100	SOT23. common cathode	DH545-54N
25	Comb generator	0.65	10	75	100	SOD323	DH545-60N
30	Comb generator	1.0	20	90	140	Die	EH543 -00
30	Comb generator	1.25	20	90	140	SOT23. single diode	DH543-51N
30	Comb generator	1.25	20	90	140	SOT23. common cathode	DH543-54N
30	Comb generator	1.25	20	90	140	SOD323	DH543-60N
50	Comb generator	1.5	40	150	250	Die	EH542-00
50	Comb generator	1.66	40	150	250	BH16	DH542-10
50	Comb generator	1.75	40	150	250	SOT23. single diode	DH542-51N
50	Comb generator	1.75	40	150	250	SOT23. common cathode	DH542-54N
50	Comb generator	1.75	40	150	250	SOD323	DH542-60N

(1): other package available on request. consult factory

VOLTAGE MULTIPLIER DIODES

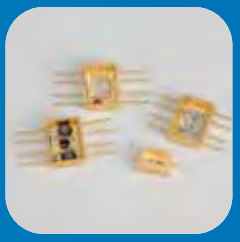
Breakdown Voltage Vbr @ Ir = 10 µA V	Application	Capacitance @ F= 1 MHz pF		Reverse Recovery Time Trr ns	Package (1)	Part Number
Min.		Typ.	Max.	Max.		
500	Voltage Multiplier	0.15	0.3	700	DFN-3L1. serie diode. clockwise	DH85050-93N
1000	Voltage Multiplier	0.1	0.3	500	DFN-3L1. serie diode. counter clockwise	DH85100-91N
1000	Voltage Multiplier	0.1	0.3	500	DFN-3L1. serie diode. clockwise	DH85100-92N

ANTI PARALLEL PIN DIODES

Applicable Voltage @ Ir <10 µA V	Application	Configuration	Single diode			Packaged diodes		Package	Part Number
			Breakdown Voltage Vbr @ Ir = 10 µA	Junction Capacitance @-6V F= 1 MHz	Minority Carrier Lifetime tI If =10mA. Ir=6 mA ns	Total Capacitance @0V F= 1 MHz pF	Serie Resistance @ 10 mA F= 120 MHz Ω		
Min.			Min.	Max.	Typ.	Typ.	Max.		
70	MRI passive rectifier or short circuit diode	Antiparallel pair	70	0.4	100	1.2	1.2	2X2SMDAM	DH52076-01
70	MRI passive rectifier or short circuit diode	Dual Antiparallel pair	70	0.4	100	2	0.6	2X2SMDAM	DH54076-01

RF & Microwave Modules

Attenuators
Limiters
Couplers
Mixers



ATTENUATORS

Frequency (GHz)	Application	Attenuation Dynamic Range (dB)	V.S.W.R	Insertion Losses (dB)	Transistion Time (µs) 10 -90 & 90 - 10	Package	Part Number
8 - 12	Automatic Gain Control	48	1 .9	1 .85	1	BMH3	ADB3-01

LIMITERS

Frequency	Application	Power in		Leakage power	Insertion Loss	Recovery Time @ 1 dB Max.	Package	Part Number
		CW Max. W	Peak Max. W	Max. dBm	Max.			
0.5 - 12.4 GHz	Channel receiver protection	5	300 (1 µs. DC=1%)	21	1.25	100 ns	BMH76	MH341-05
L Band. wide band	Channel receiver protection	20	200 (100 µs. 1 kHz PRF)	17	1.65	1µs (@ 3 dB)	BMH230	MH342-01
2 - 18 GHz	Channel receiver protection	3	500	21	2.5	300 ns	BMH230	LMB2-X2
S Band. 15% bandwidth	Channel receiver protection	5	-	15	1.5	2 µs	BMH230	LMB2-X3
X Band. 5% bandwidth	Channel receiver protection	20	-	15	1.8	500 ns	BMH230	LMB2-X1

COUPLERS: SPACE & DEFENCE APPLICATIONS

Frequency band (MHz)	Application	Input level W max	Insertion loss dB max	Coupling dB	Isolation dB min	Phase °	Phase balance ° max	Amplitude balance dB max	VSWR input/output ports max	Impedance Ohms	Package	Reference
23-27	2 ways 90°	2	0.4	3	20	90	± 1	0.5	1.3:1	50	SMA Connectors	C2C-01
1000 - 2000	2 ways 90°	1	0.6	3	18	90	± 3	0.8	1.5:1	50	Drop in	C2C-02

MIXERS: SPACE & DEFENCE APPLICATIONS

Frequency RF MHz	Type	Frequency		LO Power dBm	Convertion Loss (@ lower / Upper frequency). Max. dB	Isolation (@ Lower / Upper frequency)			Package	Reference
		LO	IF			LO - RF	LO - IF	RF - IF		
		MHz				dB (Max.)				
0 .5 - 500	Double balanced	0 .5 - 500	DC - 500	+7	7	45 / 32	40 / 30	35 / 20	FP4	MXF-01
10 - 1 500	Double balanced	10 - 1500	DC - 1500	+7	7.5 / 10.5	40 / 25	35 / 15	25 / 10	FP4	MXF-02
0 .001 - 3 500	Terminaison Insensitive	0.001 - 3500	5 - 1500	+10	7 / 10	30 / 20	30 / 20	30 / 18	FP4	MXF-03
2 000 - 18 000	Triple balanced	2 000 - 18 000	0.5 - 8 000	+13	9.5	25	20	20	Removable SMA connectors	MXC-01

Frequency RF MHz	Type	Frequency		LO Power dBm	Convertion Loss Max. dB	Isolation		Image Rejection dB	Package	Reference
		LO	IF			LO - RF	LO - IF			
		MHz				dB (typ.)				
1 500 - 1 650	Image Reject Mixer	1360 - 1510	90 - 190	+10	9.5	40	40	25	Flat pack	MRF-01

RF & Microwave Modules

Switches
Drivers
Transformers
Circulator - Isolator - Limiter

SWITCHES: SPACE & DEFENCE APPLICATIONS

Frequency Range MHz	Application	Switch Type	CW Input Power W Max.	Insertion Loss dB Max.	Isolation dB Min.	Suggested bias conditions Forward mA Typ.	Suggested bias conditions Reverse V Typ.	Package	Part Number
				@ 10 MHz. 200mA	*@ 100 MHz. 200V*				
1.5 - 50	High Power Switch	SP2T. common anode	1000	0.15	37	1000	700	BH405	SH90207
1.5 - 50	High Power Switch	SP2T. common cathode	1000	0.15	37	1000	700	BH405	SH91207
				@ 200 MHz. 100mA	*@ 100 MHz. 0V*				
10-600	High Power Switch	SP2T. common anode	10	0.35	35	100	50	TO39	SH90101
10-600	High Power Switch	SP2T. common cathode	10	0.35	35	100	50	TO39	SH91101
				@ 100 MHz. 200mA	*@ 200 MHz. 100V*				
20-500	High Power Switch	SP2T. common cathode	1000	0.20	33	400	600	BH403a	SH91107
				@ 400 MHz. 100mA	*@ 200 MHz. 0V*				
20 - 1000	High Power Switch	SP2T. common anode	100	0.35	25	200	150	BH203N	SH90103
20 - 1000	High Power Switch	SP2T. common cathode	100	0.35	25	200	150	BH203N	SH91103
20 - 1000	High Power Switch	SP3T. common anode	100	0.35	25	200	150	BH204N	SH92103
20 - 1000	High Power Switch	SP3T. common cathode	100	0.35	25	200	150	BH204N	SH93103
2000 - 2300	Space low Power Switch	SP2T reflective	0 dBm	1.1 @ +70˚C	40	CMOS driver		SMD like . 60x50mm	S2C-01
2000 - 2300	Space High Power Switch	SP2T absortive	37 dBm	1.7 @ +70˚C	40	CMOS driver		SMD like . 60x50mm	S2C-02
2000 - 2300	Space High Power Switch	SP4T refleective	37 dBm	1.7 @ +70˚C	40	CMOS driver		SMD like . 60x50mm	S4C-01

DRIVERS: SPACE & DEFENCE APPLICATIONS

Driver Type	Application	Supply voltage V	High level input voltage for VCC= 4.5V	Low level input voltage for VCC= 4.5V	Input rise and fall time ns	Package	Reference
CMOS	Pin diode Switch driver	+5 -12	3.15 V min	1.35 V max	400	FP4	DNF-01

TRANSFORMERS: SPACE & DEFENCE APPLICATIONS

Frequency (MHz)	Application	Ratio	Insertion Loss dB Max.	Input Return Loss dB Max.	Phase Unbalance ° Max.	Amplitude Unbalance dB Max.	Package	Reference
2 - 220	Analog Digital Converter	1:2	1.1	13	0.5	± 3	FP6	TFF2-D1
2 - 500	Analog Digital Converter	1:1	1	11	0.5	± 5	FP6	TFF2-A1
2 - 500	Analog Digital Converter	14	1.5	10	0.5	± 4	FP6	TFF2-E1
200 - 450	Analog Digital Converter	1:2	1.6	10	0.7	± 3	FP6	TFF2-D2
600 - 850	Analog Digital Converter	1:1	1.5	12	0.5	± 4	FP6	TFF2-A2

CIRCULATOR-ISOLATOR-LIMITER (CIL): SPACE & DEFENCE APPLICATIONS

Frequency	Bandwidth %	Insertion Loss Port1 -> Port2 Max dB	Insertion Loss Port2 -> Port3 Max dB	Insertion Loss Port1 -> Port3 Max dB	VSWR	Flat leakage Max dBm	Spike leakage Max dBm	Recovery time µs	Peak Power W	Load Power CW W	Package	Part Number
S-band	16	0.65	0.95	22	1.22	10	14	2	250	10	Drop-in: 19x36x8 mm	NF8109
S-band	15	0.6	1.5	16	1.40/1.60	14	18	1	60	10	Drop-in: 28x10x5.1mm	NF8100
C-band	1.1	0.5	1.3	20	1.20	14	10	1	15	1.3	Drop-in: 28x10x5.1mm	NG8145
X-band	5	1.0	1.2	26	1.30	5	-	2	6	1	SMD: 8.9x20x3.5mm	NJ8125

Waveguides

Waveguide couplers

WAVEGUIDE COUPLERS

Frequency (GHz)	Description & Application	Type	RF Performances				Package WR	Part Number
			Coupling Factor (dB)	Directivity (dB)	Return loss (dB)	Power (CW)		
1.98-2.2	Space	Directive	33	17	19		340 1/4h	fh 2680
1.98-2.2		Test Coupler	33	20	23		340 1/2h	fh 2656
2.33 - 2.34	Space	Directive	35	25	21		340 1/4h	fh 1688
3		Loop Coupler	60	35	32	1760 W	284	fh 2188
3.625-4.2	Space	Test Coupler	33	20	21	600 W	229	fh 2181
5.7-7.1	Space	Test Coupler	29	18	20		137	fh 1885
5.8-6.7	Space	Test Coupler	29	18	21		137	fh 1885
5.9-6.7	Space	Directive	10	20	20		137	fh 1914
7-8.4		Test Coupler	33	18	26	500 W	112	fh 2853
8-8.5	Space	Test Coupler	30	20	26		112	fh 1895
9.4-10		Loop Coupler	70	20	1.8 Caox /1.08 main		90	fh 2988
10.7-12.75	Space	Test Coupler	33	23	21	1840 W	90	fh 2492
10.7-12.75	Space	Test Coupler	33	23	21	2300 W	90	fh 2652
10.7-12.75	Space	Test Coupler	37	23	21	2600 W	90	fh 2751
10.7-12.75	Space	Test Coupler	22	23	21		90	fh 2652
10.7-12.75	Space	Test Coupler	37	23	21		90	fh 2751
10.7-12.75	Space	Test Coupler	33	17	21	1840 W	90	fh 2492
10.7-12.75	Space	Directive	7	17	23		75	fh 2395
10.7-12.75	Space	Directive	12	20	26	120 W	75	fh 1851
10.7-12.75	Space	3 dB	3	21	23		75	fh 2396
10.9-11.7	Space	3 dB	3	20	23	100 W	75	fh 1716
10.94-11.7	Space	Directive	3.3	20	23	120 W	75	fh 2520
10.95-12.75	Space	Test Coupler	33	23	21	1620 W	75	fh 2179
10.95-12.75	Space	Test Coupler	29	19	24		75	fh 2075
11.7-12.75	Space	Directive	3.3	20	23	120 W	75	fh 2077
12.2-12.7		Loop Coupler	30	14	21		75	fh 2441
12.7-14.5	Space	Test Coupler	27	16	21		75	fh 1849
12.7-14.8	Space	Test Coupler	27	14	21		75	fh 1849
12.75-14.5	Space	Test Coupler	27	20	21		75	fh 2654
12.75-14.8	Space	Directive	10	17	23		62	fh 2405
12.75-14.8	Space	3 dB	3	21	23		62	fh 2406
12.9-14.5	Space	Test Coupler	27	20	21		75	fh 2654
12.9-14.5	Space	Test Coupler	27	17	21		62	fh 2648
13.72-14.78	Space	3 dB	3	20	23		62	fh 2055
13.9-14.5	Space	Directive	15	20	23		62	fh 2087
13.9-14.5	Space	3 dB	3	20	25		62	fh 1626
13.9-14.5	Space	Directive	3	20	23		62	fh 2090
13.9-14.5	Space	3 dB	3	20	23		62	fh 2091
13.97-14.03	Space	3 dB	3	20	23		62	fh 1900
14.45-14.55	Space	Directive	6	19	21		62	fh 1543
14.45-14.55	Space	Directive	6	19	21		62	fh 1541
17.2-20.2	Space	Test Coupler	27	14	21		51	fh 2695
17.3-17.8		Loop Coupler	22	10	21		62	fh 2440
17.3-18.1	Space	Directive	15	20	23		62	fh 2430
17.3-18.1	Space	Directive	15	20	23		62	fh 2517
17.3-18.4	Space	Test Coupler	27	17	21		62	fh 2651
17.3-18.4	Space	Test Coupler	27	20	21		62	fh 2653
17.3-18.4	Space	Test Coupler	27	14	24		62	fh 2648

Waveguides

Waveguide couplers
Waveguide to coaxial adapters
Waveguide tapers

WAVEGUIDE COUPLERS

Frequency (GHz)	Description & Application	Type	RF Performances				Package WR	Part Number
			Coupling Factor (dB)	Directivity (dB)	Return loss (dB)	Power (CW)		
17.5-20.5	Space	Test Coupler	33	17	21	240 W	51	fh 1869
17.5-20.5	Space	Test Coupler	27	17	21		51	fh 2695
17.6-18.1	Space	Directive	3.3	20	23		62	fh 2518
17.7-20.2	Space	Test Coupler	33	17	18		51	fh 2838
17-20.5	Space	Test Coupler	17	17	21		51	fh 1869
19.4-20.5	Space	3 dB	3	20	25		51	fh 1969
20.2-21.2	Space	3 dB	3	20	25		51	fh 2423
20-20.7	Space	3 dB	3	20	25		51	fh 2821
27.5-28.5	Space	3 dB	3	20	23		34	fh 2894
27-31	Space	Test Coupler	27	14	21		34	fh 2325
27-31.54	Space	Test Coupler	27	17	21		34	fh 2325
28.5-29.5	Space	Directive	10	19	23		34	fh 2916
28-30	Space	Test Coupler	27	14	21		34	fh 2839
30-30.8	Space	Directive	14	19	23		34	fh 2790
30-30.8	Space	Directive	20	19	23		34	fh 2791
30-30.8	Space	3 dB	3	20	23		34	fh 2792
30-30.8	Space	3 dB	3	20	23		34	fh 2789

WAVEGUIDE TO COAXIAL ADAPTERS

Frequency (GHz)	Description & Application	RF Performances			Package	Part Number
		Connector	VSWR (dB)	Insertion loss (dB)		
1.45-1.65	Space	SMA-F	20	0.15	510 1/4h	fh 1400
3.6-4.2	Space	SMA-F	23	0.1	229 1/4h	fh 1707
3.6-4.2	Space	TNC-F	23	0.1	229 1/4h	fh 1706
3.6-4.2	Space	TNC	23	0.15	229 1/4h	fh 2670
3.7-4.4	Space	SMA-F	23	0.15	229	fh 2332
3.8-4.2	Space	TNC-F	26	0.2	229	fh 1532
5.85-6.42	Space	SMA-F	21	0.08	137 1/4h	fh 2037
5.8-6.7	Space	SMA-F	23	0.15	137	fh 2315
5.9-6.7	Space	SMA-F bent	25	0.1	137 1/4h	fh 2120
5.9-6.72	Space	SMA-F	26	0.1	137	fh 1545
6.6-7.1	Space	SMA-F bent	21	0.08	137 1/4h	fh 2787
6.87-7.05	Space	TNC	21	0.05	137	fh 2763
6.9-7.05	Space	Axial- TNC-F	21	0.2	137	fh 2763
7.05-10	Space	SMA-F	20	0.15	112	fh 1512
7.9-8.4	Space	SMA-F	23	0.15	112	fh 1544
8.1-8.4	Space	TNC-F	21	0.15	112	fh 2833
10-12	Space	TNC-F	25	0.2	75	fh 2030
10.7-12.9	Space	SMA-F	23	0.15	75	fh 2829
10.7-13	Space	SMA-F	23	0.15	75	fh 2247
10.94-11.71	Space	TNC-F	23	0.15	75	fh 2757
11.7-12.2	Space	SMA-F	23	0.15	75	fh 2777
11.7-12.2	Space	SMA-F	23	0.15	90	fh 2646
11.7-12.75	Space	SMA-F	23	0.15	75	fh 2076
11.7-12.75	Space	TNC-F	23	0.15	75	fh 2089



WAVEGUIDE TO COAXIAL ADAPTERS

Frequency (GHz)	Description & Application	RF Performances			Package	Part Number
		Connector	VSWR (dB)	Insertion loss (dB)		
12.5-14.5	Space	SMA-F	23	0.15	75	fh 2263
13.3-14.5	Space	SMA-F	23	0.15	62	fh 2544
13.5-14.5	Space	SMA-F	26	0.1	62	fh 6629
13.9-14.5	Space	SMA-F	23	0.15	62	fh 2078
13.9-14.5	Space	SMA-F	26	0.15	62	fh 2776
17.301-17.305	Space	SMA-F	26	0.15	62	fh 1604
17.3-17.7	Space	SMA-F	26	0.15	62	fh 1451
17.3-18.1	Space	SMA-F	26	0.15	62	fh 2519
17.3-18.1	Space	SMA-F	23	0.15	62	fh 2318
17-20	Space	SMA 2.9-F	21	0.15	51	fh 2530
17-21	Space	SMA 2.9-F	23	0.15	51	fh 2305
17-22	Space	SMA 2.9-F	21	0.15	51	fh 2815
18-24.5	Space	SMA 2.9-F	19	0.15	42	fh 2801
19-21.2	Space	SMA 2.9-F	21	0.15	51	fh 2800
22-33	Space	SMA 2.9-F	20	0.15	34	fh 2529
22-33	Space	SMA 2.9-F	20	0.15	34	fh 2529
23-30	Space	SMA 2.9-F	20	0.15	34	fh 2500
27.5-21	Space	SMA 2.9-F	21	0.2	28	fh 2816
27.5-31.5	Space	SMA 2.9-F	23	0.15	34	fh 2246
29-31	Space	SMA 2.9-F	20	0.12	28	fh 2804
29-31	Space	SMA 2.9-F	21	0.15	28	fh 2804

WAVEGUIDE TAPERS

Frequency (GHz)	Description & Application	RF Performances		Length	Package	Part Number
		Connector	VSWR (dB)			
3.4-4.2	Space	0.10 dB	-33.00 dB	103.40 mm	WR 229 to WR 229 ½ h	fh 2093
3.4-4.2	Space	0.10 dB	-33.00 dB	90.00 mm	WR 229 ½ h to WR 229 ¼ h	fh 2110
3.4-4.2	Space	0.10 dB	-30.00 dB	96.80 mm	WR 229 to WR 229 ¼ h	fh 2079
5.85-6.65	Space	0.10 dB	-32.00 dB	93.50 mm	WR 137 to WR 134 ¼ h	fh 2047
10.7-12.75	Space	0.10 dB	-33.00 dB	60.00 mm	WR 75 to WR 90	fh 2109
10.8-12.6	Space	0.10 dB	-24.00 dB	50.00 mm	WR 75 to WR 75 ½ h	fh 1809
10.9-12.8	Space	0.10 dB	-26.44 dB	95.00 mm	WR 75 to WR 90	fh 1568
10-12.75	Space	0.10 dB	-26.44 dB	33.50 mm	WR 75 to WR 90	fh 2056
11.5-12.5	Space	0.10 dB	-26.44 dB	42.00 mm	WR 75 to WR 75 ½ h	fh 1799
18.1-18.4	Space	0.10 dB	-26.44 dB	27.60 mm	WR 51 to WR 62	fh 2042
18-22	Space	0.15 dB	-26.44 dB	16.00 mm	WR 42 to WR 51	fh 1797
27.5-27.75	Space	0.15 dB	-26.44 dB	17.30 mm	WR 28 to WR 34	fh 1879

Waveguides

Waveguides
Waveguide loads

WAVEGUIDES

Frequency (GHz)	Internal (mm)	Wavelength (Cm)	Attenuation at 1.5 Fc for copper (dB/m)	Peak power rating MW	Package		
					I.E.C.	U.K. (RCSC)	U.S. (EIA)
1.14-1.73	165.0 x 83.0	26.7-17.7	0.0052	13.5	R14	WG6	WR650
1.45-2.2	131.0 x 65.0	20.7-13.6	0.0075	8.29	R18	WG7	WR510
1.72-2.61	109.0 x 55.0	17.7-11.5	0.0097	5.9	R22	WG8	WR430
2.17-3.3	86.0 x 43.0	13.6-9.1	0.014	3.8	R26	WG9A	WR340
2.6-3.95	72.0 x 34.0	11.5-7.6	0.019	2.43	R32	WG10	WR284
3.22-4.9	59.0 x 29.0	9.1-4.6.12	0.025	1.6	R40	WG11A	WR229
3.94-5.99	48.0 x 22.0	7.6-5.13	0.036	1.04	R48	WG12	WR187
4.94-7.05	40.0 x 20.0	6.12-4.25	0.043	0.806	R58	WG13	WR159
5.38-8.18	35.0 x 16.0	5.13-3.66	0.058	0.544	R70	WG14	WR137
6.58-10	29.0 x 13.0	4.25-3	0.079	0.355	R84	WG15	WR112
8.2-12.5	23.0 x 10.0	3.66-2.42	0.11	0.299	R100	WG16	WR90
9.84-15	19.0 x 9.5	3.0-2.0	0.13	0.178	R120	WG17	WR75
11.9-18	16.0 x 7.9	2.42-1.67	0.18	0.123	R140	WG18	WR62
14.5-22	13.0 x 5.8	2-1.36	0.24	0.083	R180	WG19	WR51
17.6-26.7	11.0 x 4.3	1.67-1.13	0.37	0.048	R220	WG20	WR42
21.7-33	8.6 x 4.3	1.36-0.91	0.44	0.037	R260	WG21	WR34
26.4-40.1	7.1 x 3.6	1.13-0.75	0.58	0.025	R320	WG22	WR28
33-50.1	5.7 x 2.9	0.91-0.6	0.81	0.016	R400	WG23	WR22
39.3-59.7	4.8 x 2.4	0.75-0.5	1.1	0.01	R500	WG24	WR19
49.9-75.8	3.8 x 1.9	0.6-0.4	1.5	0.007	R620	WG25	WR15
60.5-92	3.1 x 1.6	0.5-0.33	2	0.005	R740	WG26	WR12
73.8-112	2.4 x 1.3	0.4-0.27	2.7	0.03	R900	WG27	WR10

WAVEGUIDE LOADS

Frequency (GHz)	Description & Application	Power - CW (W)	Power - PK (kW)	V.S.W.R	Bandwidth	Typical Length (mm)	Waveguide Size	Part Number
1140-1730	Air Cooled	50	-	1.03	15%	920	WR650 (WG6)	6-LA-9014
1140-1730	Air Cooled	50	-	1.15	FULL	245	WR650 (WG6)	6-LA-9000
1140-1730	Air Cooled	250	-	1.15	FULL	900	WR650 (WG6)	6-MA-9028
1140-1730	Water Jacket	500	2000	1.20	15%	700	WR650 (WG6)	6-HL-9063
1140-1730	Air Cooled	4000	3000	1.20	15%	710	WR650 (WG6)	6-HF-9042
1140-1730	Water Dielectric	30000	3000	1.10	FULL	1100	WR650 (WG6)	6-HW-9063
1720-2610	Air Cooled	240	-	1.15	FULL	750	WR430 (WG8)	8-MA-9084
2170-3300	Air Cooled	36	-	1.03	15%	650	WR340 (WG9A)	9A-LA-9015
2170-3300	Air Cooled	36	-	1.15	FULL	140	WR340 (WG9A)	9A-LA-9001
2170-3300	Air Cooled	230	-	1.15	FULL	690	WR340 (WG9A)	9A-MA-9029
2170-3300	Water Jacketed	3000	1000	1.15	15%	480	WR340 (WG9A)	9A-HL-9064
2170-3300	Air Cooled	3700	3000	1.15	15%	570	WR340 (WG9A)	9A-HF-9043
2170-3300	Water Dielectric	50000	3500	1.15	FULL	680	WR340 (WG9A)	9A-HW-9064
2600-3950	Air Cooled	28	-	1.03	15%	540	WR284 (WG10)	10-LA-9016
2600-3950	Air Cooled	28	-	1.15	FULL	110	WR284 (WG10)	10-LA-9002
2600-3950	Air Cooled	210	-	1.15	FULL	410	WR284 (WG10)	10-MA-9030
2600-3950	Water Jacketed	3000	1000	1.15	15%	390	WR284 (WG10)	10-HL-9065
2600-3950	Air Cooled	1500	2000	1.10	15%	405	WR284 (WG10)	10-HF-9044
2600-3950	Water Dielectric	48000	2000	1.15	FULL	610	WR284 (WG10)	10-HW-9065



WAVEGUIDE LOADS

Frequency (GHz)	Description & Application	Power - CW (W)	Power - PK (kW)	V.S.W.R	Bandwidth	Typical Length (mm)	Waveguide Size	Part Number
3300-4900	Air Cooled	28	-	1.03	15%	435	WR229 (WG11A)	1A-LA-9017
3300-4900	Air Cooled	28	-	1.15	FULL	96	WR229 (WG11A)	1A-LA-9003
3300-4900	Air Cooled	200	-	1.15	FULL	309	WR229 (WG11A)	1A-MA-9031
3300-4900	Water Jacketed	2000	1000	1.15	15%	380	WR229 (WG11A)	1A-HL-9066
3300-4900	Air Cooled	1000	1600	1.12	15%	379	WR229 (WG11A)	1A-HF-9045
3300-4900	Water Dielectric	35000	3000	1.15	FULL	610	WR229 (WG11A)	1A-HW-9066
3950-5850	Air Cooled	25	-	1.05	15%	360	WR187 (WG12)	12-LA-9018
3950-5850	Air Cooled	25	-	1.15	FULL	77	WR187 (WG12)	12-LA-9004
3950-5850	Air Cooled	170	-	1.15	FULL	300	WR187 (WG12)	12-MA-9032
3950-5850	Water Jacketed	2000	1000	1.10	15%	490	WR187 (WG12)	12-HL-9067
3950-5850	Air Cooled	1000	1300	1.15	15%	306	WR187 (WG12)	12-HF-9046
3950-5850	Water Dielectric	20000	3500	1.15	FULL	505	WR187 (WG12)	12-HW-9067
4900-7050	Air Cooled	20	-	1.03	15%	300	WR159 (WG13)	13-LA-9019
4900-7050	Air Cooled	20	-	1.15	FULL	76	WR159 (WG13)	13-LA-9005
4900-7050	Air Cooled	160	-	1.15	FULL	290	WR159 (WG13)	13-MA-9033
4900-7050	Water Jacketed	5000	500	1.15	15%	410	WR159 (WG13)	13-HL-9068
4900-7050	Air Cooled	500	1100	1.15	15%	304	WR159 (WG13)	13-HF-9047
4900-7050	Air Cooled	3000	1100	1.15	15%	304	WR159 (WG13)	13-HF-9090
5850-8200	Air Cooled	15	-	1.03	15%	260	WR137 (WG14)	14-LA-9020
5850-8200	Air Cooled	15	-	1.15	FULL	75	WR137 (WG14)	14-LA-9006
5850-8200	Air Cooled	100	-	1.15	FULL	177	WR137 (WG14)	14-MA-9034
5850-8200	Water Jacketed	1000	500	1.15	15%	375	WR137 (WG14)	14-HL-9069
5850-8200	Water Jacketed	5000	500	1.20	15%	375	WR137 (WG14)	14-HL-6618
5850-8200	Air Cooled	400	800	1.15	15%	300	WR137 (WG14)	14-HF-9048
5850-8200	Air Cooled	3000	800	1.15	15%	300	WR137 (WG14)	14-HF-9091
5850-8200	Water Dielectric	20000	2200	1.10	FULL	390	WR137 (WG14)	14-HW-9069
7050-10000	Air Cooled	10	-	1.03	15%	220	WR112 (WG15)	15-LA-9021
7050-10000	Air Cooled	10	-	1.15	FULL	60	WR112 (WG15)	15-LA-9007
7050-10000	Air Cooled	100	-	1.15	FULL	161	WR112 (WG15)	15-MA-9035
7050-10000	Water Jacketed	1000	500	1.10	15%	335	WR112 (WG15)	15-HL-9070
7050-10000	Water Jacketed	3000	500	1.10	15%	335	WR112 (WG15)	15-HL-6619
7050-10000	Air Cooled	400	650	1.20	15%	310	WR112 (WG15)	15-HF-9049
7050-10000	Air Cooled	3000	650	1.20	15%	310	WR112 (WG15)	15-HF-9092
7050-10000	Air Cooled	10000	-	-	5%	N/A	WR112 (WG15)	15-HC-9049
7050-10000	Water Dielectric	19000	1500	1.10	FULL	328	WR112 (WG15)	15-HW-9070
8200-12400	Air Cooled	8	-	1.03	15%	170	WR90 (WG16)	16-LA-9022
8200-12400	Air Cooled	8	-	1.15	FULL	52	WR90 (WG16)	16-LA-9008
8200-12400	Air Cooled	100	-	1.15	FULL	146	WR90 (WG16)	16-MA-9036
8200-12400	Water Jacketed	600	750	1.10	15%	320	WR90 (WG16)	16-HL-9071
8200-12400	Water Jacketed	3000	750	1.10	15%	320	WR90 (WG16)	16-HL-6620
8200-12400	Air Cooled	300	350	1.15	15%	358	WR90 (WG16)	16-HF-9050
8200-12400	Air Cooled	1500	500	1.15	15%	358	WR90 (WG16)	16-HF-9093
8200-12400	Air Cooled	8000	-	-	5%	N/A	WR90 (WG16)	16-HC-9050
8200-12400	Water Dielectric	17000	800	1.15	FULL	295	WR90 (WG16)	16-HW-9071

WAVEGUIDE LOADS

Frequency (GHz)	Description & Application	Power - CW (W)	Power - PK (kW)	V.S.W.R	Bandwidth	Typical Length (mm)	Waveguide Size	Part Number
10000-15000	Air Cooled	8	-	1.03	15%	145	WR75 (WG17)	17-LA-9023
10000-15000	Air Cooled	8	-	1.15	FULL	50	WR75 (WG17)	17-LA-9009
10000-15000	Air Cooled	100	-	1.15	FULL	131	WR75 (WG17)	17-MA-9037
10000-15000	Air Cooled	400	300	1.15	15%	200	WR75 (WG17)	17-MF-9037
10000-15000	Water Jacketed	400	-	1.10	15%	290	WR75 (WG17)	17-HL-9072
10000-15000	Water Jacketed	3000	-	1.10	15%	290	WR75 (WG17)	17-HL-6621
10000-15000	Air Cooled	200	300	1.10	15%	410	WR75 (WG17)	17-HF-9051
10000-15000	Air Cooled	1500	300	1.10	15%	410	WR75 (WG17)	17-HF-9094
10000-15000	Air Cooled	2000	300	1.20	15%	430	WR75 (WG17)	17-HF-9095
10000-15000	Air Cooled	6000	-	-	5%	N/A	WR75 (WG17)	17-HC-9051
10000-15000	Water Dielectric	1500	1500	1.15	FULL	255	WR75 (WG17)	17-HW-9087
12400-18000	Air Cooled	8	-	1.03	15%	120	WR62 (WG18)	18-LA-9024
12400-18000	Air Cooled	8	-	1.15	FULL	40	WR62 (WG18)	18-LA-9010
12400-18000	Air Cooled	100	-	1.15	FULL	110	WR62 (WG18)	18-MA-9038
12400-18000	Air Cooled	400	300	1.15	15%	240	WR62 (WG18)	18-MF-9038
12400-18000	Water Jacketed	200	500	1.15	15%	235	WR62 (WG18)	18-HL-9073
12400-18000	Water Jacketed	2000	500	1.15	15%	235	WR62 (WG18)	18-HL-6622
12400-18000	Air Cooled	1000	300	1.10	15%	334	WR62 (WG18)	18-HF-9052
12400-18000	Air Cooled	4000	-	-	5%	N/A	WR62 (WG18)	18-HC-9052
12400-18000	Water Dielectric	10000	500	1.12	FULL	220	WR62 (WG18)	18-HW-9073
14500-22000	Air Cooled	5	-	1.15	FULL	105	WR51 (WG19)	19-LA-9010
14500-22000	Air Cooled	170	-	1.15	15%	270	WR51 (WG19)	19-MF-9927
14500-22000	Water Jacketed	400	-	1.15	15%	235	WR51 (WG19)	19-HL-6017
14500-22000	Air Cooled	600	-	1.15	15%	250	WR51 (WG19)	19-HF-9099
14500-22000	Air Cooled	2000	-	-	5%	N/A	WR51 (WG19)	19-HC-9099
18000-26500	Air Cooled	5	-	1.03	15%	95	WR42 (WG20)	20-LA-9025
18000-26500	Air Cooled	5	-	1.15	FULL	25	WR42 (WG20)	20-LA-9011
18000-26500	Air Cooled	85	-	1.15	FULL	100	WR42 (WG20)	20-MA-9039
18000-26500	Water Jacketed	400	-	1.15	15%	200	WR42 (WG20)	20-HL-9074
18000-26500	Air Cooled	600	-	1.12	15%	207	WR42 (WG20)	20-HF-9053
18000-26500	Air Cooled	2000	-	-	5%	N/A	WR42 (WG20)	20-HC-9053
21700-33000	Air Cooled	5	-	1.03	15%	89	WR34 (WG21)	21-LA-9026
21700-33000	Air Cooled	5	-	1.15	FULL	20	WR34 (WG21)	21-LA-9012
21700-33000	Air Cooled	-	-	1.15	FULL	100	WR34 (WG21)	21-MA-9040
21700-33000	Water Jacketed	400	-	1.10	15%	230	WR34 (WG21)	21-HL-9075
21700-33000	Air Cooled	300	-	1.15	15%	198	WR34 (WG21)	21-HF-9054
21700-33000	Air Cooled	1000	-	-	5%	N/A	WR34 (WG21)	21-HC-9054
21700-33000	Water Dielectric	-	-	1.15	FULL	200	WR34 (WG21)	21-HW-9075
26500-40000	Air Cooled	5	-	1.03	15%	82	WR28 (WG22)	22-LA-9027
26500-40000	Air Cooled	5	-	1.15	FULL	18	WR28 (WG22)	22-LA-9013
26500-40000	Air Cooled	-	-	1.15	FULL	80	WR28 (WG22)	22-MA-9041
26500-40000	Water Jacketed	400	-	1.12	15%	192	WR28 (WG22)	22-HL-9076
26500-40000	Air Cooled	300	-	1.20	15%	166	WR28 (WG22)	22-HF-9055
26500-40000	Air Cooled	1000	-	-	5%	N/A	WR28 (WG22)	22-HC-9055
26500-40000	Water Dielectric	1500	1500	1.12	FULL	200	WR28 (WG22)	22-HW-9088
33000-50000	Air Cooled	3	-	1.15	FULL	15	WR22 (WG23)	23-LA-9096
33000-50000	Water Jacketed	400	-	1.15	15%	175	WR22 (WG23)	23-HL-9077
33000-50000	Air Cooled	700	-	-	5%	N/A	WR22 (WG23)	23-HC-9098
39000-57000	Air Cooled	3	-	1.15	FULL	15	WR19 (WG24)	24-LA-9097

COBHAM

Market Selection Guide

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FILTERS

Function: Filters

DC-L	cob-fcav-003	cob-fcer-111	cob-fcer-112	cob-fcer-113	cob-fcer-114				
C	cob-fcav-012	cob-fcav-013	cob-fwg-002						
X	cob-fcav-019	cob-fcav-020	cob-fwg-004						
Ku	cob-fwg-005								
K-Ka	cob-fwg-006								

ISOLATORS & CIRCULATORS

Function: Coaxial Isolators & Circulators

DC-L - 1100 MZ	BD1014	BD1060	BD1141	BD1160					
S	BE1013	BE1061	BE11E1						
C	BF1007	BF1018	BG1019	BG1020	BG1022	BF3007	BG3019	BG3020	BG3022
X	BH1007	BI1003	BI1007						
Ku	BJ1010	BJ1011	BJ1012	BJ1013	BJ3034				

Function: Waveguide

X	FH1005	FI1009	FI3011						
Ku	FJ1008	FJ1029	FJ1030	FJ1031					
Ka - 39 GH	FJ1016	FK1008	FK1013	FK1019					

Function: Load Coaxial Waveguide

C	BG9022								
X	FH9015	FI9004	FI9007						
Ku	FJ9015	FJ9016	FJ9018	FJ9021	FJ9028	FJ9034			
Ka - 39 GH	FK9016	FK9017	FK9019						

Function: Dropin

DC-L - 1100 MZ	ND1165-500	ND3100-500							
S	NE1101	ND1175-100							
C	NG1140-00	NG1140-100	NG1140-200	NG1140-500					
X	NJ1110-000	NJ1110-100	NJ1124-000	NJ1124-100	NJ1129-500	NJ1183-050	NJ1183-060	NJ1183-070	NJ1183-080
	NJ1183-503	NJ1183-504	NJ1183-517						
Ku	NJ1109-00	NJ1119-00	NJ1129-00	NJ1129-100	NJ1130-000	NJ1140-000	NJ1140-100	NJ1183-090	NJ1183-100
	NJ1183-150	NJ1183-200	NJ1183-300	NJ1183-400	NJ1183-500	NJ1183-600	NJ1183-700	NJ1183-800	NJ1184-090
	NJ1184-100	NJ1184-150	NJ1184-200	NJ1184-300	NJ1184-400	NJ1184-600	NJ1184-700	NJ1184-800	NJ3123-100

DIODES & MODULES

Function: Mos capacitors, ESA QPL

S	101M106C3R9M	101M106C4R7M	101M106C5R6M	101M106C6R8M	101M107C100M	101M107C120M	101M107C150M	101M108C220M	101M108C270M
	101M108C330M	101M108C390M	101M111J0R5M	101M112J0R8M	201M106C2R2M	201M106C2R7M	201M106C3R3M	201M107C3R9M	201M107C4R7M
	201M107C5R6M	201M107C6R8M	201M107C8R2M	201M108C100M	201M108C120M	201M108C150M	201M108C180M	201M111J0R25M	201M112J0R4M
	400M106C100M	400M106C120M	400M106C150M	400M106C8R2M	400M107C180M	400M107C220M	400M107C270M	400M107C330M	400M107C390M
	400M108C470M	400M108C560M	400M108C680M	400M110C101M	400M110C820M	400M113J100M	400M114J100M	401M106C1R0M	401M106C1R2M
	401M106C1R5M	401M106C1R8M	401M111J0R12M	401M112J0R2M	501M106C0R22M	501M106C0R27M	501M106C0R33M	501M106C0R39M	501M106C0R47M
	501M106C0R56M	501M106C0R68M	501M106C0R82M						

C	101M106C3R9M	101M106C4R7M	101M106C5R6M	101M106C6R8M	101M107C100M	101M107C120M	101M107C150M	101M108C220M	101M108C270M
	101M108C330M	101M108C390M	101M111J0R5M	101M112J0R8M	201M106C2R2M	201M106C2R7M	201M106C3R3M	201M107C3R9M	201M107C4R7M
	201M107C5R6M	201M107C6R8M	201M107C8R2M	201M108C100M	201M108C120M	201M108C150M	201M108C180M	201M111J0R25M	201M112J0R4M
	400M106C100M	400M106C120M	400M106C150M	400M106C8R2M	400M107C180M	400M107C220M	400M107C270M	400M107C330M	400M107C390M
	400M108C470M	400M108C560M	400M108C680M	400M110C101M	400M110C820M	400M113J100M	400M114J100M	401M106C1R0M	401M106C1R2M
	401M106C1R5M	401M106C1R8M	401M111J0R12M	401M112J0R2M	501M106C0R22M	501M106C0R27M	501M106C0R33M	501M106C0R39M	501M106C0R47M
	501M106C0R56M	501M106C0R68M	501M106C0R82M						

X	101M106C3R9M	101M106C4R7M	101M106C5R6M	101M106C6R8M	101M107C100M	101M107C120M	101M107C150M	101M108C220M	101M108C270M
	101M108C330M	101M108C390M	101M111J0R5M	101M112J0R8M	201M106C2R2M	201M106C2R7M	201M106C3R3M	201M107C3R9M	201M107C4R7M
	201M107C5R6M	201M107C6R8M	201M107C8R2M	201M108C100M	201M108C120M	201M108C150M	201M108C180M	201M111J0R25M	201M112J0R4M
	400M106C100M	400M106C120M	400M106C150M	400M106C8R2M	400M107C180M	400M107C220M	400M107C270M	400M107C330M	400M107C390M
	400M108C470M	400M108C560M	400M108C680M	400M110C101M	400M110C820M	400M113J100M	400M114J100M	401M106C1R0M	401M106C1R2M
	401M106C1R5M	401M106C1R8M	401M111J0R12M	401M112J0R2M	501M106C0R22M	501M106C0R27M	501M106C0R33M	501M106C0R39M	501M106C0R47M
	501M106C0R56M	501M106C0R68M	501M106C0R82M						

Market Selection Guide

Space

DIODES & MODULES

Function: Mos capacitors, ESA QPL

Ku	101M106C3R9M	101M106C4R7M	101M106C5R6M	101M106C6R8M	101M107C100M	101M107C120M	101M107C150M	101M108C220M	101M108C270M
	101M108C330M	101M108C390M	101M111J0R5M	101M112J0R8M	201M106C2R2M	201M106C2R7M	201M106C3R3M	201M107C3R9M	201M107C4R7M
	201M107C5R6M	201M107C6R8M	201M107C8R2M	201M108C100M	201M108C120M	201M108C150M	201M108C180M	201M111J0R25M	201M112J0R4M
	400M106C100M	400M106C120M	400M106C150M	400M106C8R2M	400M107C180M	400M107C220M	400M107C270M	400M107C330M	400M107C390M
	400M108C470M	400M108C560M	400M108C680M	400M110C101M	400M110C820M	400M113J100M	400M114J100M	401M106C1R0M	401M106C1R2M
	401M106C1R5M	401M106C1R8M	401M111J0R12M	401M112J0R2M	501M106C0R22M	501M106C0R27M	501M106C0R33M	501M106C0R39M	501M106C0R47M
	501M106C0R56M	501M106C0R68M	501M106C0R82M						

K-Ka	101M106C3R9M	101M106C4R7M	101M106C5R6M	101M106C6R8M	101M107C100M	101M107C120M	101M107C150M	101M108C220M	101M108C270M
	101M108C330M	101M108C390M	101M111J0R5M	101M112J0R8M	201M106C2R2M	201M106C2R7M	201M106C3R3M	201M107C3R9M	201M107C4R7M
	201M107C5R6M	201M107C6R8M	201M107C8R2M	201M108C100M	201M108C120M	201M108C150M	201M108C180M	201M111J0R25M	201M112J0R4M
	400M106C100M	400M106C120M	400M106C150M	400M106C8R2M	400M107C180M	400M107C220M	400M107C270M	400M107C330M	400M107C390M
	400M108C470M	400M108C560M	400M108C680M	400M110C101M	400M110C820M	400M113J100M	400M114J100M	401M106C1R0M	401M106C1R2M
	401M106C1R5M	401M106C1R8M	401M111J0R12M	401M112J0R2M	501M106C0R22M	501M106C0R27M	501M106C0R33M	501M106C0R39M	501M106C0R47M
	501M106C0R56M	501M106C0R68M	501M106C0R82M						

Function: Switching PIN Diodes, ESA QPL (*)

DC-L	EH50071-500A	EH50072-500A	EH50073-500A	EH50074-500A	EH50075-500A	EH50076-500A	EH50077-500A	EH50102-500A	EH50103-500A
	EH50104-500A	EH50105-500A	EH50106-500A	EH50107-500A	EH50151-500A	EH50152-500A	EH50153-500A	EH50154-500A	EH50156-500A
	EH50157-500A	EH50201-500A	EH50202-500A	EH50203-500A	EH50204-500A	EH50205-500A	EH50206-500A	EH50207-500A	EH50209-500A
	EH50251-500A	EH50252-500A	EH50253-500A	EH50254-500A	EH50255-500A	EH50256-500A			

S	EH50033-500A	EH50034-500A	EH50035-500A	EH50036-500A	EH50052-500A	EH50053-500A	EH50054-500A	EH50055-500A	EH50056-500A
	EH50057-500A	EH50071-500A	EH50072-500A	EH50073-500A	EH50074-500A	EH50075-500A	EH50076-500A	EH50077-500A	EH50102-500A
	EH50103-500A	EH50104-500A	EH50105-500A	EH50106-500A	EH50107-500A	EH50151-500A	EH50152-500A	EH50153-500A	EH50154-500A
	EH50156-500A	EH50157-500A	EH50201-500A	EH50202-500A	EH50203-500A	EH50204-500A	EH50205-500A	EH50206-500A	EH50207-500A
	EH50209-500A	EH50251-500A	EH50252-500A	EH50253-500A	EH50254-500A	EH50255-500A	EH50256-500A		

C	EH50033-500A	EH50034-500A	EH50035-500A	EH50036-500A	EH50052-500A	EH50053-500A	EH50054-500A	EH50055-500A	EH50056-500A
	EH50057-500A	EH50071-500A	EH50072-500A	EH50073-500A	EH50074-500A	EH50075-500A	EH50076-500A	EH50077-500A	EH50102-500A
	EH50103-500A	EH50104-500A	EH50105-500A	EH50106-500A	EH50107-500A	EH50151-500A	EH50152-500A	EH50153-500A	EH50154-500A
	EH50156-500A	EH50157-500A	EH50201-500A	EH50202-500A	EH50203-500A	EH50204-500A	EH50205-500A	EH50206-500A	EH50207-500A
	EH50209-500A	EH50251-500A	EH50252-500A	EH50253-500A	EH50254-500A	EH50255-500A	EH50256-500A		

X	EH50033-500A	EH50034-500A	EH50035-500A	EH50036-500A	EH50052-500A	EH50053-500A	EH50054-500A	EH50055-500A	EH50056-500A
	EH50071-500A	EH50072-500A	EH50073-500A	EH50074-500A	EH50075-500A	EH50076-500A	EH50077-500A	EH50102-500A	EH50103-500A
	EH50104-500A	EH50105-500A	EH50106-500A	EH50107-500A	EH50151-500A	EH50152-500A	EH50153-500A	EH50154-500A	EH50156-500A
	EH50157-500A	EH50201-500A	EH50202-500A	EH50203-500A	EH50204-500A	EH50205-500A	EH50206-500A	EH50251-500A	

Ku	EH50052-500A	EH50071-500A	EH50072-500A	EH50100-700A	EH50101-700A	EH50151-500A	EH50201-500A	EH50251-500A	

Function: Switching PIN Diodes, Space heritage(*)

DC-L	EH80050-700A	EH80051-700A	EH80052-700A	EH80053-700A	EH80055-700A	EH80080-700A	EH40141-700A	EH40144-700A	EH40225-700A
S	EH40141-700A	EH40144-700A	EH40225-700A						
C	EH40141-700A	EH40144-700A	EH40225-700A						
X	EH40141-700A	EH40144-700A	EH40225-700A						

Function : Tuning Hyperabrupt Varactor, ESA QPL (*)

DC-L	EH76010-500A	EH76015-500A	EH76022-500A	EH76033-500A	EH76047-500A	EH76068-500A	EH76100-500A	EH76150-500A	
S	EH76010-500A	EH76015-500A	EH76022-500A	EH76033-500A	EH76047-500A	EH76068-500A	EH76100-500A	EH76150-500A	
C	EH76010-500A	EH76015-500A	EH76022-500A	EH76033-500A	EH76047-500A	EH76068-500A	EH76100-500A	EH76150-500A	
X	EH76010-500A	EH76015-500A	EH76022-500A	EH76033-500A	EH76047-500A	EH76068-500A	EH76100-500A	EH76150-500A	

Function: Tuning Abrupt Varactor, Space heritage(*)

DC-L	EH71004-700A	EH71006-700A	EH71008-700A	EH71010-700A	EH71012-700A	EH71016-700A	EH71020-700A	EH71025-700A	EH71030-700A
	EH71037-700A	EH71045-700A	EH71054-700A	EH72004-700A	EH72030-700A	EH72037-700A	EH72067-700A		
S	EH71004-700A	EH71006-700A	EH71008-700A	EH71010-700A	EH71012-700A	EH71016-700A	EH71020-700A	EH71025-700A	EH71030-700A
	EH71037-700A	EH71045-700A	EH71054-700A	EH72004-700A	EH72030-700A	EH72037-700A	EH72067-700A		
C	EH71004-700A	EH71006-700A	EH71008-700A	EH71010-700A	EH71012-700A	EH71016-700A	EH71020-700A	EH71025-700A	EH71030-700A
	EH71037-700A	EH71045-700A	EH71054-700A	EH72004-700A	EH72030-700A	EH72037-700A	EH72067-700A		
X	EH71004-700A	EH71006-700A	EH71008-700A	EH71010-700A	EH71012-700A				

Function: Limiter PIN Diodes, Space heritage(*)

DC-L	EH60057-700A	EH60072-700A	EH60074-700A	EH60076-700A	EH60102-700A	EH60104-700A	EH60106-700A		
S	EH60057-700A	EH60072-700A	EH60074-700A	EH60076-700A	EH60102-700A	EH60104-700A	EH60106-700A		
C	EH60057-700A	EH60072-700A	EH60074-700A	EH60076-700A	EH60102-700A	EH60104-700A	EH60106-700A		
X	EH60057-700A	EH60072-700A	EH60074-700A	EH60076-700A	EH60102-700A	EH60104-700A			

Function: Frequency Multiplier Diodes, ESA QPL (*)

DC-L	EH252-500A	EH256-500A	EH267-500A	EH292-500A	EH294-500A				
S	EH252-500A	EH256-500A	EH267-500A	EH292-500A	EH294-500A				
C	EH252-500A	EH256-500A	EH267-500A	EH292-500A	EH294-500A				
X	EH252-500A	EH256-500A	EH267-500A	EH292-500A	EH294-500A				
Ku	EH267-500A								

Market Selection Guide

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DIODES & MODULES

Function: SRD Diodes, Space Heritage

DC-L	EH542-700A	EH543 -700A	EH545 -700A						
S	EH542-700A	EH543 -700A	EH545 -700A						
C	EH542-700A	EH543 -700A	EH545 -700A						
X	EH542-700A	EH543 -700A	EH545 -700A						

Function: Coupler Module, Space Heritage

DC-L	C2C-01	C2C-02							

Function: Double balanced Mixer, ESA PPL

DC-L	MXF-01	MXF-02							

Function: Terminaison Insensitive Mixer, ESA PPL

DC-L	MXF-03								
S	MXF-03								

Function: Triple balanced Mixer, ESA PPL

DC-L	MXC-01								
S	MXC-01								
C	MXC-01								

Function: Image Reject Mixer, ESA PPL

S	MRF-01								

Function: High Power SP2T, Space Heritage

S	S2C-01	S4C-01							

Function: Driver, Space Heritage

DC-L	DNF-01								

Function: Transformer, Space Heritage

DC-L	TFF2-A1	TFF2-A2	TFF2-D1	TFF2-D2	TFF2-E1				

Function: Circulator-Isolator-Limiter (CIL), Space Heritage

X	NJ8125								

(*) : package option available, consult factory

WAVEGUIDES

Function: Couplers

S	fh 1688	ft 2188	ft 2656	ft 2680		
C	fh 1885	fh 1914	fh 2181			
X	fh 1895	fh 2492	fh 2652	fh 2751	fh 2853	fh 2988
Ku	fh 1541	fh 1543	fh 1626	fh 1716	fh 1849	fh 1851
	fh 1869	fh 1900	fh 1969	fh 2055	fh 2075	fh 2077
	fh 2087	fh 2090	fh 2091	fh 2179	fh 2395	fh 2396
	fh 2405	fh 2406	fh 2423	fh 2430	fh 2440	fh 2441
	fh 2517	fh 2518	fh 2520	fh 2648	fh 2651	fh 2653
	fh 2654	fh 2695	fh 2821	fh 2838		
K-Ka	fh 2325	fh 2789	fh 2790	fh 2791	fh 2792	fh 2839
	fh 2894	fh 2916				

Function: TGC

DC-L	fh 1400					
S	fh 2786					
C	fh 1532	fh 1545	fh 1706	fh 1707	fh 2037	fh 2120
	fh 2315	fh 2332	fh 2670	fh 2763	fh 2787	
X	fh 1512	fh 1544	fh 2646	fh 2833		
Ku	fh 1451	fh 1604	fh 2030	fh 2076	fh 2078	fh 2089
	fh 2247	fh 2263	fh 2305	fh 2318	fh 2519	fh 2530
	fh 2544	fh 2757	fh 2776	fh 2777	fh 2800	fh 2815
	fh 2829	fh 6629				
K-Ka	fh 2246	fh 2500	fh 2529	fh 2801	fh 2804	fh 2816

Standard waveguides

WR3	EHF
WR4	D
WR5	D
WR7	D
WR8	F
WR10	W
WR12	E
WR15	V
WR19	U
WR22	Q
WR28	Ka
WR34	Ka
WR42	K
WR51	Ku
WR62	Ku
WR75	Ku
WR90	X
WR112	X
WR137	C
WR159	C
WR187	C
WR229	C
WR284	S
WR340	S
WR430	S
WR510	L
WR650	L
WR770	L

Market Selection Guide

Defence, Avionics & Marine

FILTERS

Function: Filters

DC-L	cob-fcav-007	cob-fcav-008	cob-fcer-001	cob-fcer-002	cob-fcer-003	cob-fcer-004	cob-fcer-005	cob-fcer-006	cob-fcer-007
	cob-fcer-008	cob-fcer-009	cob-fcer-010	cob-fcer-011	cob-fcer-012	cob-fcer-013	cob-fcer-014	cob-fcer-015	cob-fcer-016
	cob-fcer-017	cob-fcer-018	cob-fcer-019	cob-fcer-020	cob-fcer-021	cob-fcer-022	cob-fcer-023	cob-fcer-024	cob-fcer-025
	cob-fcer-026	cob-fcer-027	cob-fcer-028	cob-fcer-029	cob-fcer-030	cob-fcer-031	cob-fcer-032	cob-fcer-033	cob-fcer-034
	cob-fcer-035	cob-fcer-036	cob-fcer-037	cob-fcer-038	cob-fcer-039	cob-fcer-040	cob-fcer-041	cob-fcer-042	cob-fcer-043
	cob-fcer-044	cob-fcer-045	cob-fcer-046	cob-fcer-047	cob-fcer-048	cob-fcer-049	cob-fcer-050	cob-fcer-051	cob-fcer-052
	cob-fcer-053	cob-fcer-054	cob-fcer-055	cob-fcer-056	cob-fcer-057	cob-fcer-058	cob-fcer-059	cob-fcer-060	cob-fcer-061
	cob-fcer-062	cob-fcer-063	cob-fcer-064	cob-fcer-065	cob-fcer-066	cob-fcer-067	cob-fcer-068	cob-fcer-069	cob-fcer-070
	cob-fcer-071	cob-fcer-072	cob-fcer-073	cob-fcer-074	cob-fcer-075	cob-fcer-076	cob-fcer-077	cob-fcer-078	cob-fcer-079
	cob-fcer-080	cob-fcer-081	cob-fcer-082	cob-fcer-083	cob-fcer-084	cob-fcer-085	cob-fcer-086	cob-fcer-087	cob-fcer-088
	cob-fcer-089	cob-fcer-090	cob-fcer-091	cob-fcer-092	cob-fcer-093	cob-fcer-094	cob-fcer-095	cob-fcer-096	cob-fcer-097
	cob-fcer-098	cob-fcer-099	cob-fcer-100	cob-fcer-101	cob-fcer-102	cob-fcer-103	cob-fcer-104	cob-fcer-105	cob-fcer-106
	cob-fcer-107	cob-fcer-108	cob-fcer-109	cob-fcer-110	cob-fcer-112	cob-fcer-115	cob-fcer-116	cob-fcer-117	cob-fcer-118
	cob-fcer-119	cob-fcer-120	cob-fcer-121	cob-fcer-122	cob-fcer-123	cob-fcer-124	cob-fcer-125	cob-fcer-126	cob-fcer-127
	cob-fcer-128	cob-fcer-129	cob-fcer-130	cob-flc-001	cob-flc-002	cob-flc-003	cob-flc-004	cob-flc-005	cob-flc-006
	cob-flc-007	cob-flc-008	cob-flc-009	cob-flc-010	cob-flc-011	cob-flc-012	cob-flc-013	cob-flc-014	cob-flc-015
	cob-flc-016	cob-flc-017	cob-flc-018	cob-flc-019	cob-flc-020	cob-flc-021	cob-flc-022	cob-flc-023	cob-flc-024
	cob-flc-025	cob-flc-026	cob-flc-027	cob-flc-028	cob-flc-029	cob-flc-030	cob-flc-031	cob-flc-032	cob-flc-033
	cob-flc-034	cob-flc-035	cob-flc-036	cob-flc-037	cob-flc-038	cob-flc-039	cob-flc-040	cob-flc-041	cob-flc-042
	cob-flc-043	cob-flc-044	cob-flc-045	cob-flc-046	cob-flc-047	cob-flc-048	cob-flc-049	cob-flc-050	cob-flc-051
	cob-flc-052	cob-flc-053	cob-flc-054	cob-flc-055	cob-flc-056	cob-flc-057	cob-flc-058	cob-flc-059	cob-flc-060
	cob-flc-061	cob-flc-062	cob-flc-063	cob-flc-064	cob-flc-065	cob-flc-066	cob-flc-067	cob-flc-068	cob-flc-069
	cob-flc-070	cob-flc-071	cob-flc-072	cob-flc-073	cob-flc-074	cob-flc-075	cob-flc-076	cob-flc-077	
C	cob-fwg-001								
X	cob-fcav-016	cob-fcav-017	cob-fcav-018	cob-fcav-019	cob-fcav-020	cob-fwg-003			

Function: Duplexers

DC-L	cob-dcav-002	cob-dcav-016							

ISOLATORS & CIRCULATORS

Function: Isolators Dropin

DC-L - 68 MHz	ND1100-100	ND1140-100	ND1140-300	ND1140-500	ND1140-800	ND1162-600	NB3040	ND3100-100	ND3100-110
	ND3100-200	ND3100-210	ND3100-400	ND3100-410	ND3140-100	ND3140-200	ND3140-300	ND3140-400	ND3140-500
	ND3140-600	ND3262-100							
S	NF1100-100	NF1100-200	NF1100-300	NF1100-350	NF1100-400	NF3100-100	NF3100-200	NF3100-250	NF3100-300
	NF3100-350	NF3100-400							
C	NG1140-00	NG1140-100	NG1140-200	NG1140-500					

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ISOLATORS & CIRCULATORS

Function: Isolators Dropin

X	NJ1109-00	NJ1110-000	NJ1110-100	NJ1119-00	NJ1124-000	NJ1124-100	NJ1129-00	NJ1129-100	NJ1129-500
	NJ1130-000	NJ1140-000	NJ1140-100	NJ1183-050	NJ1183-060	NJ1183-070	NJ1183-080	NJ3123-100	NJ1183-503
	NJ1183-504	NJ1183-517							
Ku	NJ1109-00	NJ1119-00	NJ1129-00	NJ1129-100	NJ1180-050	NJ1180-051	NJ1183-090	NJ1183-100	NJ1183-150
	NJ1183-600	NJ1183-700	NJ1183-800	NJ1184-090	NJ1184-100	NJ1184-150	NJ1184-200	NJ1184-300	NJ1184-400
	NJ1184-600	NJ1184-700	NJ1184-800						

Function: SMD

DC-L - 68 MHz	CD3100-100	CD3100-200	CD3100-210						
X	CJ1109	CJ1112	CJ3109	CJ3108	CJ4109	CJ4112			

Function: Coaxial

DC-L - 68 MHz	BB1001	BB1006	BB3001	BB3006	BB3007	BB3011	BD1003	BD1037	BD1040
	BD3003	BD3017	BD3031	BD3039	BD3040	BD3141	BD4013		
S	BE1062	BE1068	BE1069	BE3062	BE3068	BE3069	BF1004	BF1005	BF3004
	BF3005	BF3062	BF4007						
C	BG1008	BG1016							
X	BI1004	BI3003	BI3004	BJ1011	BJ1022	BJ4112			
Ku	BJ1011	BJ3011							

Function: Waveguides

S	FE3001	FE3007	FE3010	FE3011	FE6001	FG3005			
C	FG3007	FH3006	FI3002	FI3005					
X	FH3007	FH3022	FI3004	FI3007	FJ3019	FE6004	FE6005		
Ku	FI6001	FJ3008	FJ3010	FJ3018	FJ3020	FJ3021	FJ3025	FJ3038	FJ6013
K-Ka - 36 GHz	FK3001	FK3002	FK3007						

DIODES & MODULES

Function : Mos Capacitors

S	101M106C3R9M	101M106C4R7M	101M106C5R6M	101M106C6R8M	101M107C100M	101M107C120M	101M107C150M	101M108C220M	101M108C270M
	101M108C330M	101M108C390M	101M111J0R5M	101M112J0R8M	201M106C2R2M	201M106C2R7M	201M106C3R3M	201M107C3R9M	201M107C4R7M
	201M107C5R6M	201M107C6R8M	201M107C8R2M	201M108C100M	201M108C120M	201M108C150M	201M108C180M	201M111J0R25M	201M112J0R4M
	400M106C100M	400M106C120M	400M106C150M	400M106C8R2M	400M107C180M	400M107C220M	400M107C270M	400M107C330M	400M107C390M
	400M108C470M	400M108C560M	400M108C680M	400M110C101M	400M110C820M	400M113J100M	400M114J100M	401M106C1R0M	401M106C1R2M
	401M106C1R5M	401M106C1R8M	401M111J0R12M	401M112J0R2M	501M106C0R22M	501M106C0R27M	501M106C0R33M	501M106C0R39M	501M106C0R47M
	501M106C0R56M	501M106C0R68M	501M106C0R82M						

C	101M106C3R9M	101M106C4R7M	101M106C5R6M	101M106C6R8M	101M107C100M	101M107C120M	101M107C150M	101M108C220M	101M108C270M
	101M108C330M	101M108C390M	101M111J0R5M	101M112J0R8M	201M106C2R2M	201M106C2R7M	201M106C3R3M	201M107C3R9M	201M107C4R7M
	201M107C5R6M	201M107C6R8M	201M107C8R2M	201M108C100M	201M108C120M	201M108C150M	201M108C180M	201M111J0R25M	201M112J0R4M
	400M106C100M	400M106C120M	400M106C150M	400M106C8R2M	400M107C180M	400M107C220M	400M107C270M	400M107C330M	400M107C390M
	400M108C470M	400M108C560M	400M108C680M	400M110C101M	400M110C820M	400M113J100M	400M114J100M	401M106C1R0M	401M106C1R2M
	401M106C1R5M	401M106C1R8M	401M111J0R12M	401M112J0R2M	501M106C0R22M	501M106C0R27M	501M106C0R33M	501M106C0R39M	501M106C0R47M
	501M106C0R56M	501M106C0R68M	501M106C0R82M						

X	101M106C3R9M	101M106C4R7M	101M106C5R6M	101M106C6R8M	101M107C100M	101M107C120M	101M107C150M	101M108C220M	101M108C270M
	101M108C330M	101M108C390M	101M111J0R5M	101M112J0R8M	201M106C2R2M	201M106C2R7M	201M106C3R3M	201M107C3R9M	201M107C4R7M
	201M107C5R6M	201M107C6R8M	201M107C8R2M	201M108C100M	201M108C120M	201M108C150M	201M108C180M	201M111J0R25M	201M112J0R4M
	400M106C100M	400M106C120M	400M106C150M	400M106C8R2M	400M107C180M	400M107C220M	400M107C270M	400M107C330M	400M107C390M
	400M108C470M	400M108C560M	400M108C680M	400M110C101M	400M110C820M	400M113J100M	400M114J100M	401M106C1R0M	401M106C1R2M
	401M106C1R5M	401M106C1R8M	401M111J0R12M	401M112J0R2M	501M106C0R22M	501M106C0R27M	501M106C0R33M	501M106C0R39M	501M106C0R47M
	501M106C0R56M	501M106C0R68M	501M106C0R82M						

Ku	101M106C3R9M	101M106C4R7M	101M106C5R6M	101M106C6R8M	101M107C100M	101M107C120M	101M107C150M	101M108C220M	101M108C270M
	101M108C330M	101M108C390M	101M111J0R5M	101M112J0R8M	201M106C2R2M	201M106C2R7M	201M106C3R3M	201M107C3R9M	201M107C4R7M
	201M107C5R6M	201M107C6R8M	201M107C8R2M	201M108C100M	201M108C120M	201M108C150M	201M108C180M	201M111J0R25M	201M112J0R4M
	400M106C100M	400M106C120M	400M106C150M	400M106C8R2M	400M107C180M	400M107C220M	400M107C270M	400M107C330M	400M107C390M
	400M108C470M	400M108C560M	400M108C680M	400M110C101M	400M110C820M	400M113J100M	400M114J100M	401M106C1R0M	401M106C1R2M
	401M106C1R5M	401M106C1R8M	401M111J0R12M	401M112J0R2M	501M106C0R22M	501M106C0R27M	501M106C0R33M	501M106C0R39M	501M106C0R47M
	501M106C0R56M	501M106C0R68M	501M106C0R82M						

K-Ka	101M106C3R9M	101M106C4R7M	101M106C5R6M	101M106C6R8M	101M107C100M	101M107C120M	101M107C150M	101M108C220M	101M108C270M
	101M108C330M	101M108C390M	101M111J0R5M	101M112J0R8M	201M106C2R2M	201M106C2R7M	201M106C3R3M	201M107C3R9M	201M107C4R7M
	201M107C5R6M	201M107C6R8M	201M107C8R2M	201M108C100M	201M108C120M	201M108C150M	201M108C180M	201M111J0R25M	201M112J0R4M
	400M106C100M	400M106C120M	400M106C150M	400M106C8R2M	400M107C180M	400M107C220M	400M107C270M	400M107C330M	400M107C390M
	400M108C470M	400M108C560M	400M108C680M	400M110C101M	400M110C820M	400M113J100M	400M114J100M	401M106C1R0M	401M106C1R2M
	401M106C1R5M	401M106C1R8M	401M111J0R12M	401M112J0R2M	501M106C0R22M	501M106C0R27M	501M106C0R33M	501M106C0R39M	501M106C0R47M
	501M106C0R56M	501M106C0R68M	501M106C0R82M						

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Function: Switching PIN Diodes

DC-L	DH50037-85N	DH50051-51N	DH50051-53N	DH50051-54N	DH50051-55N	DH50051-70N	DH50053-51N	DH50053-53N	DH50053-54N
	DH50053-55N	DH50057-90N	DH50058-51N	DH50058-53N	DH50058-54N	DH50071-06	DH50074-01	DH50101-15	DH50101-90N
	DH50103-51N	DH50103-53N	DH50103-54N	DH50103-90N	DH50104-01	DH50109-51N	DH50109-53N	DH50109-54N	DH50109-55N
	DH50109-60N	DH50151-14	DH50152-01	DH50153-02	DH50154-02	DH50155-00	DH50155-03	DH50157-01	DH50202-01
	DH50203-01	DH50203-51N	DH50203-53N	DH50203-54N	DH50203-55N	DH50203-60N	DH50204-01	DH50205-02	DH50209-01
	DH50209-06N	DH50209-55N	DH50209-90N	DH50251-02	DH50254-02	DH50255-01	DH50255-04	DH50256-01	DH50256-02
	DH80041-03	DH80041-90N	DH80041-93N	DH80050-01	DH80050-06N	DH80050-07N	DH80050-40N	DH80051-03	DH80051-05
	DH80051-06N	DH80051-40N	DH80051-51N	DH80052-01	DH80052-06N	DH80052-40N	DH80053-01	DH80053-02	DH80053-06N
	DH80053-40N	DH80054-06N	DH80054-40N	DH80055-01	DH80055-03	DH80055-06N	DH80055-20N	DH80055-40N	DH80055-94N
	DH80080-00	DH80080-01	DH80080-02	DH80082-06N	DH80082-40N	DH80083-02	DH80083-05	DH80100-04	DH80100-06N
	DH80100-40N	DH80100-94N	DH80102-02	DH80102-03	DH80102-20N	DH80102-24N	DH80102-44N	DH80102-94N	DH80106-01
	DH80106-03	DH80106-24N	DH80106-44N	DH80120-02	DH80120-03	DH80124-01	DH80124-04	DH80129-01	DH80154-02
	DH80159-01	DH80182-01	DH80182-04	DH80204-01	DH80204-02	DH80204-07	DH80209-01	DH80209-02	DH80210-02
	DH80210-03	DH80210-04	DH80289-01	DH80289-02	EH50077-00	EH50071-00	EH50072-00	EH50073-00	EH50074-00
	EH50075-00	EH50076-00	EH50100-00	EH50101-00	EH50102-00	EH50103-00	EH50104-00	EH50105-00	EH50106-00
	EH50107-00	EH50151-00	EH50152-00	EH50153-00	EH50154-00	EH50156-00	EH50157-00	EH50201-00	EH50202-00
	EH50203-00	EH50204-00	EH50205-00	EH50206-00	EH50207-00	EH50209-01	EH50251-00	EH50252-00	EH50253-00
	EH50254-00	EH50255-00	EH50256-00	EH80041-00	EH80042-00	EH80050-00	EH80051-00	EH80052-00	EH80053-00
	EH80055-00	EH80080-00	EH80083-00	EH80086-00	EH80100-00	EH80102-00	EH80106-00	EH80120-00	EH80124-00
	EH80126-00	EH80129-00	EH80154-00	EH80159-00	EH80182-00	EH80189-00	EH80204-00	EH80209-00	EH80210-00
	SQM1050N	SQM1150N	SQM1250N	SQM1350N	SQM1450N	SQM2050N	SQM2150N		

S	DH50033-01	DH50034-03	DH50035-02	DH50037-02	DH50052-02	DH50054-02	DH50055-01	DH50057-01	DH50057-90N
	DH50071-06	DH50074-01	DH50101-15	DH50101-90N	DH50103-90N	DH50104-01	DH50151-14	DH50152-01	DH50153-02
	DH50154-02	DH50155-00	DH50155-03	DH50157-01	DH50202-01	DH50203-01	DH50203-51N	DH50203-53N	DH50203-54N
	DH50203-55N	DH50203-60N	DH50204-01	DH50205-02	DH50209-01	DH50209-06N	DH50209-55N	DH50209-90N	DH50251-02
	DH50254-02	DH50255-01	DH50255-04	DH50256-01	DH50256-02	EH50053-00	EH50054-00	EH50055-00	EH50056-00
	EH50057-00	EH50071-00	EH50072-00	EH50073-00	EH50074-00	EH50075-00	EH50076-00	EH50077-00	EH50100-00
	EH50101-00	EH50102-00	EH50103-00	EH50104-00	EH50105-00	EH50106-00	EH50107-00	EH50151-00	EH50152-00
	EH50153-00	EH50154-00	EH50156-00	EH50157-00	EH50201-00	EH50202-00	EH50203-00	EH50204-00	EH50205-00
	EH50206-00	EH50207-00	EH50251-00	EH50252-00	EH50253-00	EH50254-00	EH50255-00	EH50256-00	SQM1150N

DIODES & MODULES

Function: Switching PIN Diodes

C	DH50033-01	DH50034-03	DH50035-02	DH50037-02	DH50052-02	DH50054-02	DH50055-01	DH50057-01	DH50057-90N
	DH50071-06	DH50074-01	DH50101-15	DH50101-90N	DH50103-90N	DH50104-01	DH50151-14	DH50152-01	DH50153-02
	DH50154-02	DH50155-00	DH50155-03	DH50157-01	DH50202-01	DH50203-01	DH50204-01	DH50205-02	DH50209-01
	DH50251-02	DH50254-02	DH50255-01	DH50255-04	DH50256-01	DH50256-02	EH50101-00	EH50102-00	EH50103-00
	EH50104-00	EH50105-00	EH50106-00	EH50107-00	EH50151-00	EH50152-00	EH50153-00	EH50154-00	EH50156-00
	EH50157-00	EH50201-00	EH50202-00	EH50203-00	EH50204-00	EH50205-00	EH50206-00	EH50207-00	EH50251-00
	EH50252-00	EH50253-00	EH50254-00	EH50255-00	EH50256-00				

X	DH50033-01	DH50034-03	DH50035-02	DH50037-02	DH50052-02	DH50054-02	DH50071-06	DH50074-01	DH50101-15
	DH50104-01	DH50151-14	DH50152-01	DH50153-02	DH50154-02	DH50155-00	DH50155-03	DH50157-01	DH50202-01
	EH50033-00	EH50034-00	EH50035-00	EH50036-00	EH50037-00	EH50052-00	EH50053-00	EH50054-00	EH50055-00
	EH50056-00	EH50071-00	EH50072-00	EH50073-00	EH50074-00	EH50075-00	EH50076-00	EH50077-00	EH50100-00
	EH50101-00	EH50102-00	EH50103-00	EH50104-00	EH50105-00	EH50106-00	EH50107-00	EH50151-00	EH50152-00
	EH50153-00	EH50154-00	EH50156-00	EH50157-00	EH50201-00	EH50202-00	EH50203-00	EH50204-00	EH50205-00
	EH50206-00	EH50251-01							
Ku	EH50052-01	EH50071-01	EH50072-01	EH50100-00	EH50101-00	EH50151-01	EH50152-01	EH50201-01	EH50202-01
	EH50251-02								

Function: Attenuator PIN Diodes

DC-L	DH40141-01	DH40141-51N	DH40141-53N	DH40141-54N	DH40141-55N	DH40141-87N (*)	DH40144-02	DH40144-51N	DH40144-53N
	DH40144-55N	DH40225-51N	DH40225-53N	DH40225-55N	DH40226-51N	DH40226-72N	EH40141-00	EH40144-00	EH40225-00
S	EH40141-00	DH40141-01	EH40144-00	DH40144-02	EH40225-00				
C	EH40141-00	DH40141-01	EH40144-00	DH40144-02	EH40225-00				
X	EH40141-00	DH40141-01	EH40144-00	DH40144-02	EH40225-00				

Function: Tuning Hyperabrupt varactor

DCL	DH76010-01	DH76010-51N	DH76010-53N	DH76010-60N	DH76015-01	DH76015-02	DH76015-51N	DH76015-53N	DH76015-60N
	DH76022-02	DH76022-10	DH76022-51N	DH76022-53N	DH76022-60N	DH76033-01	DH76033-51N	DH76033-53N	DH76033-60N
	DH76033-70N	DH76047-02	DH76047-51N	DH76047-53N	DH76047-60N	DH76068-02	DH76068-51N	DH76068-53N	DH76068-60N
	DH76100-02	DH76100-51N	DH76100-53N	DH76100-60N	DH76150-01	DH76150-02	DH76150-60N	EH76010-00	EH76015-00
	EH76022-00	EH76033-00	EH76047-00	EH76068-00	EH76100-00	EH76150-00			
S	DH76010-01	DH76010-51N	DH76010-53N	DH76010-60N	DH76015-01	DH76015-02	DH76015-51N	DH76015-53N	DH76015-60N
	DH76022-02	DH76022-10	DH76022-51N	DH76022-53N	DH76022-60N	DH76033-01	DH76033-51N	DH76033-53N	DH76033-60N
	DH76033-70N	DH76047-02	DH76047-51N	DH76047-53N	DH76047-60N	DH76068-02	DH76068-51N	DH76068-53N	DH76068-60N
	DH76100-02	DH76100-51N	DH76100-53N	DH76100-60N	DH76150-01	DH76150-02	DH76150-60N	EH76010-00	EH76015-00
	EH76022-00	EH76033-00	EH76047-00	EH76068-00	EH76100-00	EH76150-00			
C	DH76010-01	DH76015-01	DH76015-02	DH76022-02	DH76022-10	DH76033-01	DH76047-02	DH76068-02	DH76100-02
	DH76150-02	EH76010-00	EH76015-00	EH76022-00	EH76033-00	EH76047-00	EH76068-00	EH76100-00	EH76150-00
X	DH76010-01	DH76015-01	DH76015-02	DH76022-02	DH76022-10	DH76033-01	DH76047-02	DH76068-02	DH76100-02
	DH76150-02	EH76010-00	EH76015-00	EH76022-00	EH76033-00	EH76047-00	EH76068-00	EH76100-00	EH76150-00

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Function: Tuning Abrupt varactor

DC-L	DH71004-01	DH71004-02	DH71006-03	DH71008-01	DH71008-03	DH71010-01	DH71010-14	DH71010-51N	DH71010-53N
	DH71010-60N	DH71012-01	DH71012-02	DH71016-13	DH71016-51N	DH71016-53N	DH71020-01	DH71020-03	DH71020-51N
	DH71020-53N	DH71020-60N	DH71025-10	DH71030-01	DH71030-12	DH71030-53N	DH71030-60N	DH71037-10	DH71045-15
	DH71045-51N	DH71045-53N	DH71054-03	DH71067-11	DH71067-51N	DH71080-02	DH71100-10	DH71100-51N	DH71100-53N
	DH71120-10	DH71150-01	DH71150-11	DH71220-03	DH71560-01	DH71560-10	DH71999-01	DH72030-01	DH74820
	EH71004-00	EH71006-00	EH71008-00	EH71010-00	EH71012-00	EH71016-00	EH71020-00	EH71025-00	EH71030-00
	EH71037-00	EH71045-00	EH71054-00	EH72004-01	EH72030-00	EH72037-00	EH72067		

S	DH71004-01	DH71004-02	DH71006-03	DH71008-01	DH71008-03	DH71010-01	DH71010-14	DH71010-51N	DH71010-53N
	DH71010-60N	DH71012-01	DH71012-02	DH71016-13	DH71016-51N	DH71016-53N	DH71020-01	DH71020-03	DH71020-51N
	DH71020-53N	DH71020-60N	DH71025-10	DH71030-01	DH71030-12	DH71030-53N	DH71030-60N	DH71037-10	DH71045-15
	DH71045-53N	DH71054-03	DH71067-11	DH71067-51N	DH71080-02	DH71100-10	DH71100-51N	DH71100-53N	DH71120-10
	DH71150-01	DH71150-11	DH71220-03	DH74820	DH71560-01	DH71560-10	DH71999-01	DH72030-01	EH71004-00
	EH71006-00	EH71008-00	EH71010-00	EH71012-00	EH71016-00	EH71020-00	EH71025-00	EH71030-00	EH71037-00
	EH71045-00	EH71054-00	EH72004-01	EH72030-00	EH72037-00	EH72067			

C	DH71004-01	DH71004-02	DH71006-03	DH71008-01	DH71008-03	DH71010-01	DH71010-14	DH71012-01	DH71012-02
	DH71016-13	DH71020-01	DH71020-03	DH71025-10	DH71030-01	DH71030-12	DH71037-10	DH71045-15	DH71054-03
	DH71080-02	DH71100-10	EH71004-00	EH71006-00	EH71008-00	EH71010-00	EH71012-00	EH71016-00	EH71020-00
	EH71025-00	EH71030-00	EH71037-00	EH71045-00	EH71054-00	DH71120-10	DH71150-01	DH71150-11	DH71220-03
	DH71560-01	DH71560-10	DH71999-01	DH72030-01	DH74820	EH72004-01	EH72030-00	EH72037-00	EH72067

X	DH71004-01	DH71004-02	DH71006-03	DH71008-01	DH71008-03	DH71010-01	DH71010-14	EH71004-00	EH71006-00
	EH71008-00	EH71010-00	EH71012-00						

Function: Limiter Diodes

DC-L	DH60056-01	DH60057-02	DH60057-03	DH60074-01	DH60076-02	DH60104-01	DH60106-01	DH60106-03	EH60057-00
	EH60072-00	EH60074-00	EH60076-00	EH60102-00	EH60104-00	EH60106-00			

S	DH60056-01	DH60057-02	DH60057-03	DH60074-01	DH60076-02	DH60104-01	DH60106-01	DH60106-03	EH60057-00
	EH60072-00	EH60074-00	EH60076-00	EH60102-00	EH60104-00	EH60106-00			

C	DH60056-01	DH60057-02	DH60057-03	DH60074-01	DH60076-02	DH60104-01	DH60106-01	DH60106-03	EH60057-00
	EH60072-00	EH60074-00	EH60076-00	EH60102-00	EH60104-00	EH60106-00			

DIODES & MODULES

Function: Frequency Multiplier Diodes

DC-L	DH252-00	DH252-01	DH256-00	DH256-57	DH267-41	DH292-00	DH292-105	DH294-27	DH294-28
	EH252-00	EH256	EH267-00	EH292	EH294-00				

S	DH252-00	DH252-01	DH256-00	DH256-57	DH267-41	DH292-00	DH292-105	DH294-27	DH294-28
	EH252-00	EH256	EH267-00	EH292	EH294-00				

C	DH252-00	DH252-01	DH256-00	DH256-57	DH267-41	DH292-00	DH292-105	DH294-27	DH294-28
	EH252-00	EH256	EH267-00	EH292	EH294-00				

X	DH252-00	DH252-01	DH256-00	DH256-57	DH267-41	DH292-00	DH292-105	DH294-27	DH294-28
	EH252-00	EH256	EH267-00	EH292	EH294-00				
Ku	EH267-00								

Function: SRD Diodes

DC-L	DH542-10	DH542-51N	DH542-54N	DH542-60N	DH543-51N	DH543-54N	DH543-60N	DH545 -01	DH545-51N
	DH545-54N	DH545-60N	EH542-00	EH543 -00	EH545 -00				
S	DH542-10	DH542-51N	DH542-54N	DH542-60N	DH543-51N	DH543-54N	DH543-60N	DH545 -01	DH545-51N
	DH545-54N	DH545-60N	EH542-00	EH543 -00	EH545 -00				
C	EH545 -00	DH545 -01	EH543 -00	EH542-00	DH542-10				
X	EH545 -00	DH545 -01	EH543 -00	EH542-00	DH542-10				

Function: Voltage Multiplier Diodes

DC-L	DH85050-93N	DH85100-91N	DH85100-92N						

Function: Antiparallel Diodes

DC-L	DH52076-01	DH54076-01							
S	DH52076-01	DH54076-01							
C	DH52076-01	DH54076-01							

Function: Attenuator Modules

X	ADB3-01								

Function: Limiter Modules

DC-L	MH341-05	MH342-01							
S	LMB2-X2	LMB2-X3	MH341-05						
C	LMB2-X2	MH341-05							
X	LMB2-X1	LMB2-X2	MH341-05						

Function: Coupler Module

DC-L	C2C-01	C2C-02							

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Function: Double balanced Mixer

DC-L	MXF-01	MXF-02							

Function: Terminaison Insensitive Mixer

DC-L	MXF-03								
S	MXF-03								

Function: Triple balanced Mixer

DC-L	MXC-01								
S	MXC-01								
C	MXC-01								

Function : Image Reject Mixer

S	MRF-01								

Function: High Power SP2T

DC-L	SH90101	SH91107	SH90207						
S	SH90103	S2C-01							

Function: High Power SP3T

DC-L	SH92103								

Function: High Power SP4T

S	S4C-01								

Function: Driver

DC-L	DNF-01								

Function: Transformer

DC-L	TFF2-A1	TFF2-A2	TFF2-D1	TFF2-D2	TFF2-E1

Circulator-Isolator-Limiter (CIL)

S	NG8145	
C	NF8109	NF8100
X	NJ8125	

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Function: Filters

DC-L	cob-fcav-001	cob-fcav-002	cob-fcav-004	cob-fcav-005	cob-fcav-006	cob-fcav-009	cob-fcer-131	cob-fcer-132	cob-fcer-133
	cob-fcer-134	cob-fcer-135	cob-fcer-136	cob-fcer-137	cob-fcer-138	cob-fcer-139	cob-fcer-140	cob-fcer-141	cob-fcer-142
	cob-fcer-143	cob-fcer-144	cob-fcer-145	cob-fcer-146	cob-fcer-147	cob-fcer-148	cob-fcer-149	cob-fcer-150	cob-fcer-151
	cob-fcer-152	cob-fcer-153	cob-fcer-154	cob-fcer-155	cob-fcer-156	cob-fcer-157	cob-fcer-158	cob-fcer-159	cob-fcer-160
	cob-fcer-161	cob-fcer-162	cob-fcer-163	cob-fcer-164	cob-fcer-165	cob-fcer-166	cob-fcer-167	cob-fcer-168	cob-fcer-169
	cob-fcer-170	cob-fcer-171	cob-fcer-172	cob-fcer-173	cob-fcer-174	cob-fcer-175	cob-fcer-176	cob-fcer-177	
S	cob-fcav-010	cob-fcer-178	cob-fcer-179	cob-fcer-180	cob-fcer-181	cob-fcer-182	cob-fcer-183	cob-fcer-184	cob-fcer-185
	cob-fcer-186	cob-fcer-187	cob-fcer-188	cob-fcer-189	cob-fcer-190	cob-fcer-191			
C	cob-fcav-011	cob-fcav-014	cob-fcer-192	cob-fcer-193	cob-fcer-194	cob-fcer-195	cob-fcer-196		

Function: Duplexers

DC-L	cob-dcav-001	cob-dcav-003	cob-dcav-004	cob-dcav-005	cob-dcav-006	cob-dcav-007	cob-dcav-008	cob-dcav-009	cob-dcav-010
	cob-dcav-011	cob-dcav-012	cob-dcav-013	cob-dcav-014	cob-dcav-015	cob-dcav-017	cob-dcav-018	cob-dcav-019	cob-dcav-020
	cob-dcav-021	cob-dcav-022	cob-dcav-023	cob-dcer-001	cob-dcer-002	cob-dcer-003	cob-dcer-004	cob-dcer-005	cob-dcer-006
	cob-dcer-007	cob-dcer-008	cob-dcer-009	cob-dcer-010	cob-dcer-011	cob-dcer-012	cob-dcer-013	cob-dcer-014	cob-dcer-015
	cob-dcer-016	cob-dcer-017	cob-dcer-018	cob-dcer-019	cob-dcer-020	cob-dcer-021	cob-dcer-022	cob-dcer-023	cob-delf-001
Ku	cob-dwg-001	cob-dwg-002							

Function: Coaxial Isolators & Circulators

DCL - 27 MGz	BA1010	BA1011	BA1012	BA1015	BA1016	BA3010	BA3011	BA3012	BA3013
	BA3015	BA3016	BA3017	BA3021	BA3029	BA3038	BA3039	BA3040	BA4113
	BB1018	BB1019	BB1023	BB1025	BB1026	BB1027	BB1031	BB1038	BB1080
	BB3013	BB3018	BB3019	BB3023	BB3025	BB3026	BB3031	BB3038	BB3080
	BB4110	BB4111	BB4140	BC1006	BC1019	BC1041	BC1042	BC1060	BC1062
	BC3019	BC3041	BC3060	BC4107	BD1015	BD1018	BD1062	BD1067	BD1160
	BD3015	BD3018	BD3062	BD3067	BD3068	BE1019			
S	BE1024	BE1062	BE3019	BE3024	BE3062				
C	BH1005	BH1006	BH3005	BH3006					
X	BH1007	BH3007							
Ku	BJ1004	BJ1009	BJ1014	BJ1034	BJ3004	BJ3009	BJ3014		



Function: Dropin

DC-L	NB1040	ND1186-400	NB3040	ND3186-400					
S	NE1101-100	NE1101-150	NE1101-200	NE1101-300	NE1101-350	NE3101-100	NE1120-100	NE1120-200	
C	NF3106-100	NF1106-100	NF3106-200	NF1106-200	NF3106-200	NF1106-200	NF1206-100	NF1206-200	
Ku	NJ1180-100	NJ1180-151	NJ1180-200	NJ1180-151	NJ1180-300	NJ1180-400	NJ1180-500	NJ1180-600	NJ1180-700
	NJ1180-701	NJ1180-600	NJ1180-700	NJ1180-800	NJ1180-051	NJ1180-050			

Function: SMD

DC-L	UB1103-100	UB1103-200	UB1103-300	UB1103-400	UB1140-100	UB1140-200	UB1140-300	UB1140-400	UB1140-500
	UD1131-100	UD1131-200	UD1131-300						
S	UE1133-100	UE1133-200							

Function: Waveguide

S	FE1021	FE1022	FE3001	FE6001					
C	FG4201	FH6002	FH600						
X	FI3002	FI3005	FJ6004	FJ6001					

Function: Switching PIN Diodes

DC-L	DH50037-85N	DH50051-51N	DH50051-53N	DH50051-54N	DH50051-55N	DH50051-70N	DH50058-51N	DH50058-53N	DH50058-54N
	DH50053-51N	DH50053-53N	DH50053-54N	DH50053-55N	DH50057-90N	SQM1050N	SQM2050N	SQM1250N	SQM2150N
	SQM1350N	SQM1450N	DH50071-06	DH50074-01	DH50101-90N	DH50103-90N	DH50104-01	DH50101-15	DH50103-51N
	DH50103-53N	DH50103-54N	DH50109-51N	DH50109-53N	DH50109-54N	DH50109-55N	DH50109-60N	DH50155-00	DH50152-01
	DH50153-02	DH50154-02	DH50155-03	DH50157-01	DH50151-14	DH50202-01	DH50203-51N	DH50203-53N	DH50203-54N
	DH50203-55N	DH50203-60N	DH50203-01	DH50205-02	DH50204-01	DH50209-90N	DH50209-01	DH50209-55N	SQM1150N
	DH50209-06N	SQM1150N	DH50209-06N	DH50251-02	DH50255-04	DH50254-02	DH50255-01	DH50256-02	DH50256-01
	DH80051-51N	DH80041-90N	DH80041-93N	DH80041-03	DH80050-01	DH80050-40N	DH80050-06N	DH80050-07N	DH80051-03
	DH80051-05	DH80051-40N	DH80051-06N	DH80052-01	DH80052-40N	DH80052-06N	DH80053-01	DH80053-02	DH80053-40N
	DH80053-06N	DH80055-94N	DH80054-06N	DH80054-40N	DH80055-03	DH80055-01	DH80055-40N	DH80055-20N	DH80055-06N
	DH80080-01	DH80080-02	DH80080-00	DH80082-40N	DH80082-06N	DH80083-02	DH80083-05	DH80100-94N	DH80100-04
	DH80100-40N	DH80100-06N	DH80102-94N	DH80102-03	DH80102-02	DH80102-24N	DH80102-44N	DH80102-20N	DH80106-44N
	DH80106-24N	DH80106-03	DH80106-01	DH80120-02	DH80120-03	DH80124-04	DH80124-01	DH80129-01	DH80154-02
	DH80159-01	DH80182-04	DH80182-01	DH80204-02	DH80204-01	DH80204-07	DH80209-02	DH80209-01	DH80210-02
	DH80210-03	DH80210-04	DH80289-01	DH80289-02					
S	DH50034-03	DH50033-01	DH50035-02	DH50037-02	DH50052-02	DH50054-02	DH50055-01	DH50057-90N	DH50057-01
	DH50071-06	DH50074-01	DH50101-90N	DH50103-90N	DH50104-01	DH50101-15	DH50155-00	DH50152-01	DH50153-02
	DH50154-02	DH50155-03	DH50157-01	DH50151-14	DH50202-01	DH50203-51N	DH50203-53N	DH50203-54N	DH50203-55N
	DH50203-60N	DH50203-01	DH50205-02	DH50204-01	DH50209-90N	DH50209-01	DH50209-55N	SQM1150N	DH50209-06N
	DH50251-02	DH50255-04	DH50254-02	DH50255-01	DH50256-02	DH50256-01			

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Function: Switching PIN Diodes

C	DH50034-03	DH50033-01	DH50035-02	DH50037-02	DH50052-02	DH50054-02	DH50055-01	DH50057-90N	DH50057-01
	DH50071-06	DH50074-01	DH50101-90N	DH50103-90N	DH50104-01	DH50101-15	DH50155-00	DH50152-01	DH50153-02
	DH50154-02	DH50155-03	DH50157-01	DH50151-14	DH50202-01	DH50203-51N	DH50203-53N	DH50203-54N	DH50203-55N
	DH50203-60N	DH50203-01	DH50205-02	DH50204-01	DH50209-90N	DH50209-01	DH50209-55N	SQM1150N	DH50209-06N
	DH50251-02	DH50255-04	DH50254-02	DH50255-01	DH50256-02	DH50256-01			
X	DH50034-03	DH50033-01	DH50035-02	DH50037-02	DH50052-02	DH50054-02	DH50071-06	DH50074-01	DH50104-01
	DH50101-15	DH50155-00	DH50152-01	DH50153-02	DH50154-02	DH50155-03	DH50157-01	DH50151-14	DH50202-01

Function: Attenuator PIN Diodes

DC-L	DH40141-01	DH40144-02	DH40141-51N	DH40141-53N	DH40141-54N	DH40141-55N	DH40141-87N	DH40144-51N	DH40144-53N
	DH40144-55N	DH40225-51N	DH40225-53N	DH40225-55N	DH40226-72N	DH40226-51N			
S	DH40141-01	DH40144-02							
C	DH40141-01	DH40144-02							
X	DH40141-01	DH40144-02							

Function: Tuning Hyperabrupt Varactor

DC-L	DH76010-01	DH76010-51N	DH76010-53N	DH76010-60N	DH76015-01	DH76015-02	DH76015-51N	DH76015-53N	DH76015-60N
	DH76022-10	DH76022-02	DH76022-51N	DH76022-53N	DH76022-60N	DH76033-01	DH76033-51N	DH76033-53N	DH76033-60N
	DH76033-70N	DH76047-02	DH76047-51N	DH76047-53N	DH76047-60N	DH76068-02	DH76068-51N	DH76068-53N	DH76068-60N
	DH76100-51N	DH76100-53N	DH76100-60N	DH76100-02	DH76150-01	DH76150-02	DH76150-60N		
S	DH76010-01	DH76010-51N	DH76010-53N	DH76010-60N	DH76015-01	DH76015-02	DH76015-51N	DH76015-53N	DH76015-60N
	DH76022-10	DH76022-02	DH76022-51N	DH76022-53N	DH76022-60N	DH76033-01	DH76033-51N	DH76033-53N	DH76033-60N
	DH76033-70N	DH76047-02	DH76047-51N	DH76047-53N	DH76047-60N	DH76068-02	DH76068-51N	DH76068-53N	DH76068-60N
	DH76100-51N	DH76100-53N	DH76100-60N	DH76100-02	DH76150-01	DH76150-02	DH76150-60N		
C	DH76010-01	DH76015-01	DH76015-02	DH76022-10	DH76022-02	DH76033-01	DH76047-02	DH76068-02	DH76100-02
	DH76150-02								
X	DH76010-01	DH76015-01	DH76015-02	DH76022-10	DH76022-02	DH76033-01	DH76047-02	DH76068-02	DH76100-02
	DH76150-02								

Function: Tuning Abrupt Varactor

DC-L	DH71004-01	DH71004-02	DH71006-03	DH71008-01	DH71008-03	DH71010-01	DH71010-14	DH71010-51N	DH71010-53N
	DH71010-60N	DH71012-01	DH71012-02	DH71016-13	DH71016-51N	DH71016-53N	DH71020-01	DH71020-03	DH71020-51N
	DH71020-53N	DH71020-60N	DH71025-10	DH71030-01	DH71030-12	DH71030-53N	DH71030-60N	DH71037-10	DH71045-15
	DH71045-51N	DH71045-53N	DH71054-03	DH71067-11	DH71067-51N	DH71080-02	DH71100-10	DH71100-51N	DH71100-53N
	DH71120-10	DH71150-01	DH71150-11	DH71220-03	DH71560-01	DH71560-10	DH71999-01	DH72030-01	
S	DH71004-01	DH71004-02	DH71006-03	DH71008-01	DH71008-03	DH71010-01	DH71010-14	DH71010-51N	DH71010-53N
	DH71010-60N	DH71012-01	DH71012-02	DH71016-13	DH71016-51N	DH71016-53N	DH71020-01	DH71020-03	DH71020-51N
	DH71020-53N	DH71020-60N	DH71025-10	DH71030-01	DH71030-12	DH71030-53N	DH71030-60N	DH71037-10	DH71045-15
	DH71045-53N	DH71054-03	DH71067-11	DH71067-51N	DH71080-02	DH71100-10	DH71100-51N	DH71100-53N	DH71120-10
	DH71150-01	DH71150-11	DH71220-03	DH71560-01	DH71560-10	DH71999-01	DH72030-01		



C	DH71004-01	DH71004-02	DH71006-03	DH71008-01	DH71008-03	DH71010-01	DH71010-14	DH71012-01	DH71012-02
	DH71016-13	DH71020-01	DH71020-03	DH71025-10	DH71030-01	DH71030-12	DH71037-10	DH71045-15	DH71054-03
X	DH71004-01	DH71004-02	DH71006-03	DH71008-01	DH71008-03	DH71010-01	DH71010-14		

Function: Limiter Diodes

DC-L	DH60056-01	DH60057-03	DH60057-02	DH60074-01	DH60076-02	DH60104-01	DH60106-03	DH60106-01	
S	DH60056-01	DH60057-03	DH60057-02	DH60074-01	DH60076-02	DH60104-01	DH60106-03	DH60106-01	
C	DH60056-01	DH60057-03	DH60057-02	DH60074-01	DH60076-02	DH60104-01	DH60106-03	DH60106-01	
X	DH60056-01	DH60057-03	DH60057-02	DH60074-01	DH60076-02	DH60104-01			

Function: Frequency Multiplier Diodes

DC-L	DH252-00	DH252-01	DH256-00	DH267-41	DH256-57	DH292-00	DH292-105	DH294-27	DH294-28
S	DH252-00	DH252-01	DH256-00	DH267-41	DH256-57	DH292-00	DH292-105	DH294-27	DH294-28
C	DH252-00	DH252-01	DH256-00	DH267-41	DH256-57	DH292-00	DH292-105	DH294-27	DH294-28
X	DH252-00	DH252-01	DH256-00	DH267-41	DH256-57	DH292-00	DH292-105	DH294-27	DH294-28

Function: SRD Diodes

DC-L	DH542-10	DH542-51N	DH542-54N	DH542-60N	DH543-51N	DH543-54N	DH543-60N	DH545 -01	DH545-51N
	DH545-54N	DH545-60N							
S	DH542-10	DH542-51N	DH542-54N	DH542-60N	DH543-51N	DH543-54N	DH543-60N	DH545 -01	DH545-51N
	DH545-54N	DH545-60N							
C	DH542-10	DH545 -01							
X	DH542-10	DH545 -01							

Function: Voltage Multiplier Diodes

DC-L	DH85050-93N	DH85100-91N	DH85100-92N						

Function: Antiparallel Diodes

DC-L	DH52076-01	DH54076-01							
S	DH52076-01	DH54076-01							
C	DH52076-01	DH54076-01							

Market Selection Guide

Healthcare

Function: Antiparallel Diodes

DC-L	DH52076-01	DH54076-01							
S	DH52076-01	DH54076-01							

Function: MRI: High Power Switching

DC-L	DH80050-40N	DH80051-40N	DH80052-40N	DH80053-40N	DH80054-40N	DH80055-40N	DH80082-40N	DH80100-40N	DH80102-44N
	DH80106-11N	DH80106-44N	SQM1050N-AM	SQM1250N-AM	SQM1350N-AM	SQM1450N-AM	SQM2050N-AM	SQM2150N-AM	
S	DH80050-40N	DH80051-40N	DH80052-40N	DH80053-40N	DH80054-40N	DH80055-40N	DH80082-40N	DH80100-40N	DH80102-44N
	DH80106-11N	DH80106-44N	SQM1050N-AM	SQM1250N-AM	SQM1350N-AM	SQM1450N-AM	SQM2050N-AM	SQM2150N-AM	

COBHAM

Package Selection Guide

Package information : Diodes


Diode DFN-3L1


Diode BH15


Diode BH16


Diode BH35


Diode BH141


Diode BH142A


Diode BH142B


Diode BH155


Diode BH158


Diode BH158AM


Diode BH194


Diode BH200


Diode BH202


Diode BH203


Diode BH204


Diode BH300


Diode BH301


Diode BMH76


Diode DFN-2L1


Diode F27D


Diode F30


Diode F51


Diode F54


Diode M208A


Diode M208B


Diode M208F


DIODE Melf Lead


DIODE SMD4


DIODE SMD6


DIODE SMD8


DIODE SOD323


DIODE SOT143


Diode SOT23


DIODE SOT323

All diodes are ROHS compliant

COBHAM

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