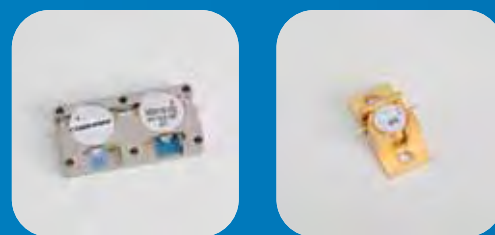


Isolators & Circulators

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	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