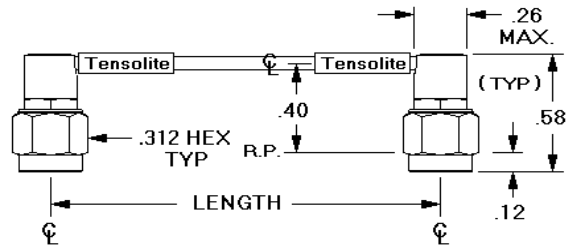


ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:			50	OHMS		
CAPACITANCE NOMINAL:			29.40	pF/FOOT		
VELOCITY OF PROPAGATION, NOMINAL:			70.7	%		
RELATIVE SHIELDING:			-100	dB MIN.		
INSULATION RESISTANCE:			1000	MEGOHMS MIN.		
DIELECTRIC WITHSTANDING VOLTAGE:			1000	VRMS MIN.		
ELECTRICAL DELAY:			1.44	ns/FOOT		
ELECTRICAL DELAY:			120	ps/INCH		
MAX. PULSE RF POWER:			1250	WATTS		
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ----->	1	2	4	6	12	18
MAX. CW WATTS --->	17	12	7	5	3	2
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:	
CABLE MAX. DIAMETER:	0.112 INCHES
MIN. BEND RADIUS:	0.15 INCHES
PREFERRED BEND RADIUS:	0.40 INCHES
CONNECTOR RETENTION:	30 POUNDS MIN.
TEMPERATURE RANGE:	-50 / +85 DEGREES C
MATING TORQUE:	7-10 INCH POUNDS
SMA CONNECTOR INTERFACE:	MIL-STD-348 PAGE 310.3



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET (SEE NOTE):	POLYURETHANE	GREY TINT
OUTER CONDUCTOR:	HIGH STRENGTH COPPER BRAID	TIN COATED
MARKER BOOTS:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
SMA CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMA NUT	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION		MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS								NOM DELAY nS	LENGTH CM
PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)									
					UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12	12 TO 18				
1-3737-620- 3203		3.00	0.05	0.3	1.10	1.15	1.20	1.25	1.30	1.35	0.14	0.18	0.26	0.32	0.45	0.58	0.36	7.62		
1-3737-620- 3204	D	4.00	0.05	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.16	0.21	0.30	0.37	0.53	0.68	0.48	10.16		
1-3737-620- 3205	D	5.00	0.05	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.18	0.24	0.34	0.42	0.60	0.78	0.60	12.70		
1-3737-620- 3206	D	6.00	0.10	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.19	0.27	0.38	0.47	0.68	0.88	0.72	15.24		
1-3737-620- 3207	D	7.00	0.10	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.29	0.42	0.52	0.76	0.97	0.84	17.78		
1-3737-620- 3208	D	8.00	0.10	0.4	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.32	0.46	0.57	0.83	1.07	0.96	20.32		
1-3737-620- 3209	D	9.00	0.10	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.25	0.35	0.50	0.62	0.91	1.17	1.08	22.86		
1-3737-620- 3210	D	10.00	0.10	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.27	0.38	0.54	0.67	0.98	1.26	1.20	25.40		
1-3737-620- 3211	D	11.00	0.10	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.40	0.59	0.72	1.06	1.36	1.32	27.94		
1-3737-620- 3212		12.00	0.15	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.43	0.63	0.77	1.14	1.46	1.44	30.48		
1-3737-620- 3213		13.00	0.15	0.5	1.10	1.15	1.20	1.25	1.30	1.35	0.33	0.46	0.67	0.82	1.21	1.56	1.56	33.02		
1-3737-620- 3214		14.00	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.49	0.71	0.87	1.29	1.65	1.68	35.56		
1-3737-620- 3215		15.00	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.52	0.75	0.93	1.37	1.75	1.80	38.10		
1-3737-620- 3216		16.00	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.38	0.54	0.79	0.98	1.44	1.85	1.92	40.64		
1-3737-620- 3217		17.00	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.40	0.57	0.83	1.03	1.52	1.94	2.04	43.18		
1-3737-620- 3218	D	18.00	0.15	0.6	1.10	1.15	1.20	1.25	1.30	1.35	0.42	0.60	0.87	1.08	1.59	2.04	2.16	45.72		
1-3737-620- 3219		19.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.44	0.63	0.91	1.13	1.67	2.14	2.28	48.26		
1-3737-620- 3220		20.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.46	0.65	0.95	1.18	1.75	2.24	2.40	50.80		
1-3737-620- 3221		21.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.68	0.99	1.23	1.82	2.33	2.52	53.34		
1-3737-620- 3222		22.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.50	0.71	1.03	1.28	1.90	2.43	2.64	55.88		
1-3737-620- 3223		23.00	0.15	0.7	1.10	1.15	1.20	1.25	1.30	1.35	0.52	0.74	1.07	1.33	1.97	2.53	2.76	58.42		
1-3737-620- 3224	D	24.00	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.76	1.11	1.38	2.05	2.63	2.88	60.96		
1-3737-620- 3225		25.00	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.56	0.79	1.15	1.43	2.13	2.72	3.00	63.50		
1-3737-620- 3226		26.00	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.58	0.82	1.19	1.49	2.20	2.82	3.12	66.04		
1-3737-620- 3227		27.00	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.59	0.85	1.23	1.54	2.28	2.92	3.24	68.58		
1-3737-620- 3228		28.00	0.15	0.8	1.10	1.15	1.20	1.25	1.30	1.35	0.61	0.87	1.27	1.59	2.36	3.01	3.36	71.12		
1-3737-620- 3229		29.00	0.15	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.63	0.90	1.31	1.64	2.43	3.11	3.48	73.66		
1-3737-620- 3230		30.00	0.15	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.65	0.93	1.35	1.69	2.51	3.21	3.60	76.20		
1-3737-620- 3231		31.00	0.15	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.67	0.96	1.39	1.74	2.58	3.31	3.71	78.74		
1-3737-620- 3232		32.00	0.15	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.69	0.98	1.43	1.79	2.66	3.40	3.83	81.28		
1-3737-620- 3233		33.00	0.15	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.71	1.01	1.48	1.84	2.74	3.50	3.95	83.82		
1-3737-620- 3234		34.00	0.15	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.73	1.04	1.52	1.89	2.81	3.60	4.07	86.36		
1-3737-620- 3235		35.00	0.15	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.75	1.07	1.56	1.94	2.89	3.69	4.19	88.90		
1-3737-620- 3236		36.00	0.15	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.77	1.10	1.60	1.99	2.96	3.79	4.31	91.44		
1-3737-620- 3237		37.00	0.20	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.78	1.12	1.64	2.04	3.04	3.89	4.43	93.98		
1-3737-620- 3238		38.00	0.20	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.80	1.15	1.68	2.10	3.12	3.99	4.55	96.52		
1-3737-620- 3239		39.00	0.20	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.82	1.18	1.72	2.15	3.19	4.08	4.67	99.06		
1-3737-620- 3240		40.00	0.20	1.1	1.15	1.20	1.25	1.30	1.35	1.45	0.84	1.21	1.76	2.20	3.27	4.18	4.79	101.60		
1-3737-620- 3241		41.00	0.20	1.1	1.15	1.20	1.25	1.30	1.35	1.45	0.86	1.23	1.80	2.25	3.35	4.28	4.91	104.14		
1-3737-620- 3242		42.00	0.20	1.1	1.15	1.20	1.25	1.30	1.35	1.45	0.88	1.26	1.84	2.30	3.42	4.38	5.03	106.68		
1-3737-620- 3243		43.00	0.20	1.1	1.15	1.20	1.25	1.30	1.35	1.45	0.90	1.29	1.88	2.35	3.50	4.47	5.15	109.22		
1-3737-620- 3244		44.00	0.20	1.2	1.15	1.20	1.25	1.30	1.35	1.45	0.92	1.32	1.92	2.40	3.57	4.57	5.27	111.76		
1-3737-620- 3245		45.00	0.20	1.2	1.15	1.20	1.25	1.30	1.35	1.45	0.94	1.34	1.96	2.45	3.65	4.67	5.39	114.30		
1-3737-620- 3246		46.00	0.20	1.2	1.15	1.20	1.25	1.30	1.35	1.45	0.96	1.37	2.00	2.50	3.73	4.76	5.51	116.84		
1-3737-620- 3247		47.00	0.20	1.2	1.15	1.20	1.25	1.30	1.35	1.45	0.97	1.40	2.04	2.55	3.80	4.86	5.63	119.38		
1-3737-620- 3248		48.00	0.20	1.2	1.15	1.20	1.25	1.30	1.35	1.45	0.99	1.43	2.08	2.60	3.88	4.96	5.75	121.92		

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: ALL SPECIFICATIONS APPLY AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

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