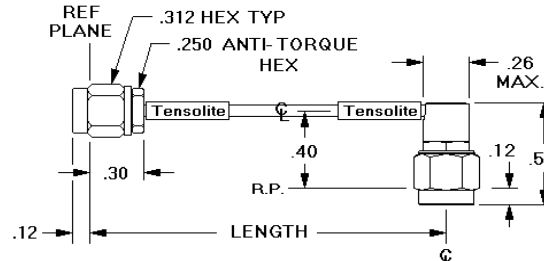


ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:	50 OHMS					
CAPACITANCE NOMINAL:	29.40 pF/FOOT					
VELOCITY OF PROPAGATION, NOMINAL:	70.7 %					
RELATIVE SHIELDING:	-100 dB MIN.					
INSULATION RESISTANCE:	1000 MEGOHMS MIN.					
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VRMS MIN.					
ELECTRICAL DELAY:	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 ---->	57	39	27	21	14	11
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:	POLYURETHANE	GREY TINT
OUTER CONDUCTOR:	HIGH STRENGTH COPPER BRAID	TIN COATED
MARKER	MIL-I-23053/5	GRAY
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				
1-3637-620- 5202		2.00	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.11	0.14	0.20	0.24	0.34	0.44	0.27	5.08		
1-3637-620- 5203	D	3.00	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.13	0.17	0.24	0.29	0.42	0.54	0.38	7.62		
1-3637-620- 5204	D	4.00	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.15	0.20	0.28	0.34	0.49	0.64	0.50	10.16		
1-3637-620- 5205	D	5.00	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.22	0.32	0.39	0.57	0.74	0.62	12.70		
1-3637-620- 5206	D	6.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.25	0.36	0.44	0.65	0.83	0.74	15.24		
1-3637-620- 5207	D	7.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.20	0.28	0.40	0.49	0.72	0.93	0.86	17.78		
1-3637-620- 5208	D	8.00	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.22	0.31	0.44	0.55	0.80	1.03	0.98	20.32		
1-3637-620- 5209	D	9.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.24	0.34	0.48	0.60	0.87	1.12	1.10	22.86		
1-3637-620- 5210	D	10.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.26	0.36	0.52	0.65	0.95	1.22	1.22	25.40		
1-3637-620- 5211	D	11.00	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.28	0.39	0.57	0.70	1.03	1.32	1.34	27.94		
1-3637-620- 5212	D	12.00	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.42	0.61	0.75	1.10	1.42	1.46	30.48		
1-3637-620- 5213		13.00	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.32	0.45	0.65	0.80	1.18	1.51	1.58	33.02		
1-3637-620- 5214		14.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.34	0.47	0.69	0.85	1.25	1.61	1.70	35.56		
1-3637-620- 5215		15.00	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.50	0.73	0.90	1.33	1.71	1.82	38.10		
1-3637-620- 5216		16.00	0.20	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.53	0.77	0.95	1.41	1.81	1.94	40.64		
1-3637-620- 5217		17.00	0.20	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.56	0.81	1.00	1.48	1.90	2.06	43.18		
1-3637-620- 5218	D	18.00	0.20	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.41	0.58	0.85	1.05	1.56	2.00	2.18	45.72		
1-3637-620- 5219		19.00	0.20	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.43	0.61	0.89	1.10	1.64	2.10	2.30	48.26		
1-3637-620- 5220		20.00	0.20	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.45	0.64	0.93	1.16	1.71	2.19	2.42	50.80		
1-3637-620- 5221		21.00	0.21	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.47	0.67	0.97	1.21	1.79	2.29	2.54	53.34		
1-3637-620- 5222		22.00	0.22	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.49	0.69	1.01	1.26	1.86	2.39	2.66	55.88		
1-3637-620- 5223		23.00	0.23	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.51	0.72	1.05	1.31	1.94	2.49	2.78	58.42		
1-3637-620- 5224	D	24.00	0.24	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.53	0.75	1.09	1.36	2.02	2.58	2.90	60.96		
1-3637-620- 5225		25.00	0.25	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.55	0.78	1.13	1.41	2.09	2.68	3.02	63.50		
1-3637-620- 5226		26.00	0.26	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.57	0.80	1.17	1.46	2.17	2.78	3.14	66.04		
1-3637-620- 5227		27.00	0.27	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.58	0.83	1.21	1.51	2.24	2.87	3.26	68.58		
1-3637-620- 5228		28.00	0.28	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.60	0.86	1.25	1.56	2.32	2.97	3.38	71.12		
1-3637-620- 5229		29.00	0.29	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.62	0.89	1.29	1.61	2.40	3.07	3.50	73.66		
1-3637-620- 5230		30.00	0.30	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.64	0.92	1.33	1.66	2.47	3.17	3.62	76.20		
1-3637-620- 5231		31.00	0.31	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.66	0.94	1.37	1.72	2.55	3.26	3.74	78.74		
1-3637-620- 5232		32.00	0.32	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.68	0.97	1.41	1.77	2.63	3.36	3.86	81.28		
1-3637-620- 5233		33.00	0.33	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.70	1.00	1.46	1.82	2.70	3.46	3.98	83.82		
1-3637-620- 5234		34.00	0.34	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.72	1.03	1.50	1.87	2.78	3.56	4.10	86.36		
1-3637-620- 5235		35.00	0.35	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.74	1.05	1.54	1.92	2.85	3.65	4.22	88.90		
1-3637-620- 5236		36.00	0.36	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.76	1.08	1.58	1.97	2.93	3.75	4.34	91.44		
1-3637-620- 5237		37.00	0.37	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.77	1.11	1.62	2.02	3.01	3.85	4.46	93.98		
1-3637-620- 5238		38.00	0.38	0.9	1.10	1.15	1.20	1.25	1.30	1.35	0.79	1.14	1.66	2.07	3.08	3.94	4.58	96.52		
1-3637-620- 5239		39.37	0.39	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.82	1.17	1.71	2.14	3.19	4.08	4.74	100.00		
1-3637-620- 5240		40.00	0.40	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.83	1.19	1.74	2.17	3.23	4.14	4.82	101.60		
1-3637-620- 5241		41.00	0.41	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.85	1.22	1.78	2.22	3.31	4.24	4.94	104.14		
1-3637-620- 5242		42.00	0.42	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.87	1.25	1.82	2.27	3.39	4.33	5.06	106.68		
1-3637-620- 5243		43.00	0.43	1.0	1.10	1.15	1.20	1.25	1.30	1.35	0.89	1.27	1.86	2.33	3.46	4.43	5.18	109.22		
1-3637-620- 5244		44.00	0.44	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.91	1.30	1.90	2.38	3.54	4.53	5.30	111.76		
1-3637-620- 5245		45.00	0.45	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.93	1.33	1.94	2.43	3.62	4.62	5.42	114.30		
1-3637-620- 5246		46.00	0.46	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.95	1.36	1.98	2.48	3.69	4.72	5.54	116.84		
1-3637-620- 5247		47.00	0.47	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.96	1.38	2.02	2.53	3.77	4.82	5.66	119.38		
1-3637-620- 5248		48.00	0.48	1.1	1.10	1.15	1.20	1.25	1.30	1.35	0.98	1.41	2.06	2.58	3.84	4.92	5.78	121.92		

D = DISTRIBUTOR ITEM

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

NOTE: PRODUCT SPECIFICATIONS ARE VERIFIED AT 73 DEG. F, SEA LEVEL AND 20 TO 80% RELATIVE HUMIDITY.

PRODUCT SPECIFICATIONS APPLY