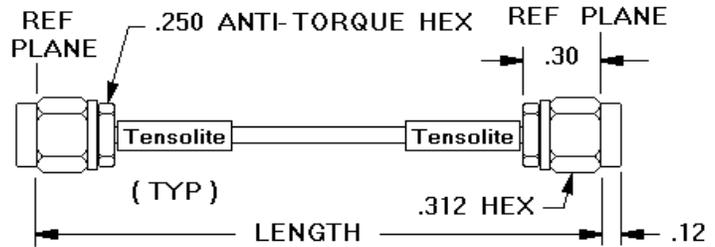


ELECTRICAL SPECIFICATIONS	
IMPEDANCE, NOMINAL:	50 OHMS
CAPACITANCE NOMINAL:	29.40 pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7 %
RELATIVE SHIELDING:	-100 dB MIN.
INSULATION RESISTANCE:	1000 MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VRMS MIN.
ELECTRICAL DELAY:	1.44 ns/FOOT
ELECTRICAL DELAY:	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 ---->	50 35 22 17 12 8
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 .55 INCH RADIUS	

MECHANICAL SPECIFICATIONS:	
CABLE MAX. DIAMETER:	0.180 INCHES
MIN. BEND RADIUS:	0.18 INCHES
PREFERRED BEND RADIUS:	0.55 INCHES
CONNECTOR RETENTION:	50 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	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
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
					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				
1-3636-621- 5202		2.0	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.08	0.10	0.15	0.17	0.25	0.33	0.24	5.08		
1-3636-621- 5203		3.0	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.09	0.12	0.17	0.20	0.29	0.39	0.36	7.62		
1-3636-621- 5204	D	4.0	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.10	0.14	0.20	0.23	0.34	0.45	0.48	10.2		
1-3636-621- 5205	D	5.0	0.05	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.11	0.15	0.22	0.27	0.39	0.51	0.60	12.7		
1-3636-621- 5206	D	6.0	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.13	0.17	0.24	0.30	0.43	0.57	0.72	15.2		
1-3636-621- 5207	D	7.0	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.14	0.18	0.27	0.33	0.48	0.63	0.84	17.8		
1-3636-621- 5208	D	8.0	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.15	0.20	0.29	0.36	0.53	0.69	0.96	20.3		
1-3636-621- 5209	D	9.0	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.22	0.31	0.39	0.57	0.75	1.08	22.9		
1-3636-621- 5210	D	10.0	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.23	0.34	0.42	0.62	0.82	1.20	25.4		
1-3636-621- 5211	D	11.0	0.10	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.25	0.36	0.45	0.67	0.88	1.32	27.9		
1-3636-621- 5212	D	12.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.26	0.39	0.48	0.71	0.94	1.44	30.5		
1-3636-621- 5213		13.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.20	0.28	0.41	0.51	0.76	1.00	1.56	33.0		
1-3636-621- 5214		14.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.21	0.30	0.43	0.54	0.81	1.06	1.68	35.6		
1-3636-621- 5215		15.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.22	0.31	0.46	0.57	0.86	1.12	1.80	38.1		
1-3636-621- 5216		16.0	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.33	0.48	0.60	0.90	1.18	1.92	40.6		
1-3636-621- 5217		17.0	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.24	0.34	0.51	0.63	0.95	1.24	2.04	43.2		
1-3636-621- 5218	D	18.0	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.26	0.36	0.53	0.66	1.00	1.30	2.16	45.7		
1-3636-621- 5219		19.0	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.27	0.38	0.55	0.69	1.04	1.36	2.28	48.3		
1-3636-621- 5220		20.0	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.28	0.39	0.58	0.72	1.09	1.42	2.40	50.8		
1-3636-621- 5221		21.0	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.41	0.60	0.75	1.14	1.48	2.52	53.3		
1-3636-621- 5222		22.0	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.42	0.62	0.78	1.18	1.54	2.64	55.9		
1-3636-621- 5223		23.0	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.44	0.65	0.81	1.23	1.61	2.76	58.4		
1-3636-621- 5224	D	24.0	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.32	0.46	0.67	0.84	1.28	1.67	2.88	61.0		
1-3636-621- 5225		25.0	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.47	0.70	0.87	1.32	1.73	3.00	63.5		
1-3636-621- 5226		26.0	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.34	0.49	0.72	0.90	1.37	1.79	3.12	66.0		
1-3636-621- 5227		27.0	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.50	0.74	0.93	1.42	1.85	3.24	68.6		
1-3636-621- 5228		28.0	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.52	0.77	0.96	1.46	1.91	3.36	71.1		
1-3636-621- 5229		29.0	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.54	0.79	0.99	1.51	1.97	3.48	73.7		
1-3636-621- 5230		30.0	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.55	0.82	1.02	1.56	2.03	3.60	76.2		
1-3636-621- 5232		32.0	0.15	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.41	0.58	0.86	1.09	1.65	2.15	3.83	81.3		
1-3636-621- 5234		34.0	0.15	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.43	0.62	0.91	1.15	1.74	2.27	4.07	86.4		
1-3636-621- 5236		36.0	0.15	1.4	1.06	1.10	1.14	1.17	1.20	1.30	0.45	0.65	0.96	1.21	1.84	2.40	4.31	91.4		
1-3636-621- 5239		39.0	0.15	1.5	1.06	1.10	1.14	1.17	1.20	1.30	0.48	0.70	1.03	1.30	1.98	2.58	4.67	99.1		
1-3636-621- 5242		42.0	0.15	1.6	1.06	1.10	1.14	1.17	1.20	1.30	0.52	0.74	1.10	1.39	2.12	2.76	5.03	106.7		
1-3636-621- 5245		45.0	0.15	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.55	0.79	1.17	1.48	2.26	2.94	5.39	111.3		
1-3636-621- 5248		48.0	0.20	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.58	0.84	1.24	1.57	2.40	3.13	5.75	124.9		
1-3636-621- 5254		54.0	0.20	2.0	1.10	1.15	1.20	1.25	1.30	1.35	0.65	0.93	1.39	1.75	2.68	3.49	6.47	137		
1-3636-621- 5260		60.0	0.20	2.2	1.10	1.15	1.20	1.25	1.30	1.35	0.71	1.03	1.53	1.94	2.96	3.86	7.19	152		
1-3636-621- 5266		66.0	0.20	2.5	1.10	1.15	1.20	1.25	1.30	1.35	0.78	1.13	1.67	2.12	3.24	4.22	7.91	168		
1-3636-621- 5272		72.0	0.20	2.7	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.22	1.82	2.30	3.52	4.59	8.63	183		
1-3636-621- 5284		84.0	0.20	3.1	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.41	2.10	2.67	4.08	5.31	10.07	213		
1-3636-621- 5288		88.0	0.20	3.2	1.10	1.15	1.20	1.25	1.30	1.35	1.01	1.48	2.20	2.79	4.27	5.56	10.55	224		
1-3636-621- 5292		92.0	0.20	3.3	1.10	1.15	1.20	1.25	1.30	1.35	1.06	1.54	2.29	2.91	4.45	5.80	11.03	234		
1-3636-621- 5296		96.0	0.20	3.5	1.10	1.15	1.20	1.25	1.30	1.35	1.10	1.60	2.39	3.03	4.64	6.04	11.50	244		
1-3636-621- 5299		99.0	0.20	3.6	1.10	1.15	1.20	1.25	1.30	1.35	1.13	1.65	2.46	3.12	4.78	6.23	11.86	251		
2-3636-621- 5209		108.0	0.20	3.9	1.10	1.15	1.20	1.25	1.30	1.35	1.23	1.80	2.67	3.39	5.20	6.77	12.94	274		
2-3636-621- 5210		120.0	0.20	4.3	1.10	1.15	1.20	1.25	1.30	1.35	1.36	1.99	2.96	3.76	5.76	7.50	14.38	305		
2-3636-621- 5212		144.0	0.20	5.1	1.10	1.15	1.20	1.25	1.30	1.35	1.62	2.37	3.53	4.49	6.89	8.96	17.26	366		
2-3636-621- 5215		180.0	0.20	6.4	1.10	1.15	1.20	1.25	1.30	1.35	2.01	2.95	4.39	5.58	8.57	11.15	21.57	457		
2-3636-621- 5216		192.0	0.20	6.8	1.10	1.15	1.20	1.25	1.30	1.35	2.14	3.14	4.68	5.95	9.13	11.88	23.01	488		
2-3636-621- 5220		240.0	0.20	8.4	1.10	1.15	1.20	1.25	1.30	1.35	2.66	3.90	5.82	7.40	11.37	14.80	28.76	610		

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 AT 5 TO 99% (NON CONDENSING) RELATIVE HUMIDITY, CONSULT FACTORY FOR PRODUCT CHARACTERISTICS AT OTHER CONDITIONS.
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