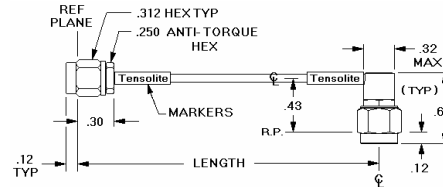


ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:	50 OHMS					
CAPACITANCE NOMINAL:	28.70 pF/FOOT					
VELOCITY OF PROPAGATION, NOMINAL:	70.7 %					
RELATIVE SHIELDING:	-100 dB MIN.					
INSULATION RESISTANCE:	1000 MEGOHMS MIN.					
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VRMS MIN.					
ELECTRICAL DELAY:	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 ---->	100	68	45	36	23	18

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.173 INCHES	
MIN. BEND RADIUS:	0.19 INCHES	
PREFERRED BEND RADIUS:	0.50 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 S22 CHARACTERISTICS								NOM DELAY nS	LENGTH CM
PART NUMBER		LENGTH INCHES	+ -	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						
1-3637-621- 5202		2.00	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.10	0.13	0.18	0.21	0.30	0.40	0.29	5.08				
1-3637-621- 5203	D	3.00	0.05	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.11	0.14	0.20	0.24	0.35	0.46	0.41	7.62				
1-3637-621- 5204	D	4.00	0.05	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.12	0.16	0.23	0.27	0.40	0.52	0.53	10.16				
1-3637-621- 5205	D	5.00	0.05	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.13	0.17	0.25	0.30	0.44	0.58	0.65	12.70				
1-3637-621- 5206	D	6.00	0.10	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.14	0.19	0.27	0.33	0.49	0.64	0.77	15.24				
1-3637-621- 5207	D	7.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.15	0.21	0.30	0.36	0.54	0.70	0.89	17.78				
1-3637-621- 5208	D	8.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.22	0.32	0.39	0.58	0.76	1.01	20.32				
1-3637-621- 5209	D	9.00	0.10	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.24	0.34	0.42	0.63	0.82	1.13	22.86				
1-3637-621- 5210	D	10.00	0.10	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.25	0.37	0.45	0.68	0.88	1.25	25.40				
1-3637-621- 5211	D	11.00	0.10	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.27	0.39	0.48	0.72	0.94	1.37	27.94				
1-3637-621- 5212	D	12.00	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.20	0.28	0.42	0.52	0.77	1.00	1.49	30.48				
1-3637-621- 5213		13.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.22	0.30	0.44	0.55	0.82	1.07	1.61	33.02				
1-3637-621- 5214		14.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.32	0.46	0.58	0.86	1.13	1.73	35.56				
1-3637-621- 5215		15.00	0.15	0.7	1.06	1.10	1.14	1.17	1.20	1.30	0.24	0.33	0.49	0.61	0.91	1.19	1.85	38.10				
1-3637-621- 5216		16.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.25	0.35	0.51	0.64	0.96	1.25	1.97	40.64				
1-3637-621- 5217		17.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.26	0.36	0.54	0.67	1.00	1.31	2.09	43.18				
1-3637-621- 5218	D	18.00	0.15	0.8	1.06	1.10	1.14	1.17	1.20	1.30	0.27	0.38	0.56	0.70	1.05	1.37	2.21	45.72				
1-3637-621- 5219		19.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.28	0.40	0.58	0.73	1.10	1.43	2.33	48.26				
1-3637-621- 5220		20.00	0.15	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.41	0.61	0.76	1.14	1.49	2.45	50.80				
1-3637-621- 5221		21.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.43	0.63	0.79	1.19	1.55	2.57	53.34				
1-3637-621- 5222		22.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.44	0.65	0.82	1.24	1.61	2.69	55.88				
1-3637-621- 5223		23.00	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.32	0.46	0.68	0.85	1.28	1.67	2.81	58.42				
1-3637-621- 5224	D	24.00	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.48	0.70	0.88	1.33	1.73	2.93	60.96				
1-3637-621- 5225		25.00	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.49	0.73	0.91	1.38	1.80	3.05	63.50				
1-3637-621- 5226		26.00	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.51	0.75	0.94	1.42	1.86	3.17	66.04				
1-3637-621- 5227		27.00	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.52	0.77	0.97	1.47	1.92	3.29	68.58				
1-3637-621- 5228		28.00	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.38	0.54	0.80	1.00	1.52	1.98	3.41	71.12				
1-3637-621- 5229		29.00	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.56	0.82	1.03	1.56	2.04	3.53	73.66				
1-3637-621- 5230		30.00	0.15	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.40	0.57	0.85	1.06	1.61	2.10	3.65	76.20				
1-3637-621- 5233		33.00	0.15	1.4	1.06	1.10	1.14	1.17	1.20	1.30	0.43	0.62	0.92	1.15	1.75	2.28	4.00	83.82				
1-3637-621- 5235		35.00	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	4.24	88.90				
1-3637-621- 5236		36.00	0.15	1.5	1.06	1.10	1.14	1.17	1.20	1.30	0.46	0.67	0.99	1.24	1.89	2.46	4.36	91.44				
1-3637-621- 5239		39.00	0.15	1.6	1.06	1.10	1.14	1.17	1.20	1.30	0.50	0.72	1.06	1.34	2.03	2.65	4.72	99.06				
1-3637-621- 5242		42.00	0.15	1.7	1.06	1.10	1.14	1.17	1.20	1.30	0.53	0.76	1.13	1.43	2.17	2.83	5.08	106.68				
1-3637-621- 5245		45.00	0.15	1.8	1.06	1.10	1.14	1.17	1.20	1.30	0.56	0.81	1.20	1.52	2.31	3.01	5.44	114.30				
1-3637-621- 5248		48.00	0.15	1.9	1.06	1.10	1.14	1.17	1.20	1.30	0.59	0.86	1.27	1.61	2.45	3.19	5.80	121.92				
1-3637-621- 5254		54.00	0.15	2.1	1.06	1.10	1.14	1.17	1.20	1.30	0.66	0.96	1.42	1.79	2.73	3.56	6.52	137.16				
1-3637-621- 5260		60.00	0.15	2.3	1.06	1.10	1.14	1.17	1.20	1.30	0.73	1.05	1.56	1.97	3.01	3.92	7.24	152.40				
1-3637-621- 5262		62.00	0.15	2.4	1.06	1.10	1.14	1.17	1.20	1.30	0.75	1.08	1.61	2.03	3.11	4.05	7.48	157.48				
1-3637-621- 5264		64.00	0.15	2.4	1.06	1.10	1.14	1.17	1.20	1.30	0.77	1.11	1.66	2.09	3.20	4.17	7.72	162.56				
1-3637-621- 5266		66.00	0.15	2.5	1.06	1.10	1.14	1.17	1.20	1.30	0.79	1.15	1.70	2.16	3.29	4.29	7.96	167.64				
1-3637-621- 5272		72.00	0.15	2.7	1.10	1.15	1.20	1.25	1.30	1.35	0.86	1.24	1.85	2.34	3.57	4.65	8.68	182.88				
1-3637-621- 5284		84.00	0.20	3.1	1.10	1.15	1.20	1.25	1.30	1.35	0.99	1.43	2.13	2.70	4.13	5.38	10.12	213.36				
1-3637-621- 5296		96.00	0.20	3.5	1.10	1.15	1.20	1.25	1.30	1.35	1.12	1.63	2.42	3.07	4.70	6.11	11.55	243.84				
1-3637-621- 5299		99.37	0.20	3.6	1.10	1.15	1.20	1.25	1.30	1.35	1.15	1.68	2.50	3.17	4.85	6.32	11.96	252.40				
2-3637-621- 5209		108.0	0.20	3.9	1.10	1.15	1.20	1.25	1.30	1.35	1.25	1.82	2.70	3.43	5.26	6.84	12.99	274.32				
2-3637-621- 5210		120.0	0.20	4.4	1.10	1.15	1.20	1.25	1.30	1.35	1.38	2.01	2.99	3.80	5.82	7.57	14.43	304.80				
2-3637-621- 5212		144.0	0.20	5.2	1.10	1.15	1.20	1.25	1.30	1.35	1.64	2.39	3.56	4.53	6.94	9.03	17.31	365.76				
2-3637-621- 5215		180.0	0.20	6.4	1.10	1.15	1.20	1.25	1.30	1.35	2.03	2.97	4.42	5.62	8.62	11.22	21.62	457.20				
2-3637-621- 5220		240.0	0.20	8.5	1.10	1.15	1.20	1.25	1.30	1.35	2.68	3.92	5.85	7.44	11.43	14.87	28.81	609.60				
2-3637-621- 5225		300.0	0.20	10.6	1.10	1.15	1.20	1.25	1.30	1.35	3.33	4.88	7.28	9.26	14.23	18.52	36.00	762.00				
2-3637-621- 5230		360.0	0.20	12.6	1.10	1.15	1.20	1.25	1.30	1.35	3.98	5.84	8.71	11.09	17.04	22.17	43.19	914.40				
2-3637-621- 5240		480.0	0.20	16.7	1.10	1.15	1.20	1.25	1.30	1.35	5.28	7.76	11.57	14.73	22.65	29.46	57.57	#####				
2-3637-621- 5250		600.0	0.20	20.9	1.10	1.15	1.20	1.25	1.30	1.35	6.58	9.67	14.43	18.38	28.26	36.76	71.95	#####				