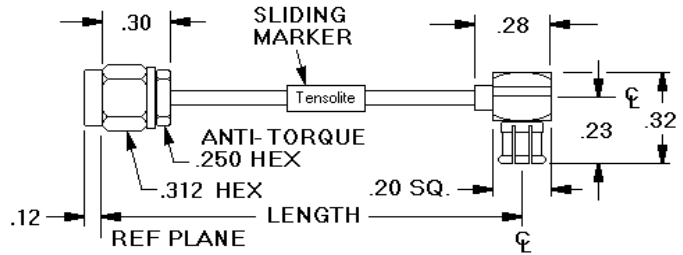


ELECTRICAL SPECIFICATIONS					
IMPEDANCE, NOMINAL:	50		OHMS		
CAPACITANCE NOMINAL:	29.40		pF/FOOT		
RELATIVE SHIELDING:	70.7		db MIN. (1 FT)		
VELOCITY OF PROPAGATION, NOMINAL:	-100		%		
INSULATION RESISTANCE:	1000		MEGOHMS MIN.		
DIELECTRIC WITHSTANDING VOLTAGE:	1000		VRMS MIN.		
ELECTRICAL DELAY:	1.44		ns/FOOT		
ELECTRICAL DELAY:	120		ps/INCH		
MAX. PULSE RF POWER:	500		WATTS		
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)					
F (IN GHZ) ----->	1	2	4	6	
MAX. CW WATTS ---->	32	22	15	13	

MECHANICAL SPECIFICATIONS:			
CABLE MAX. DIAMETER:	0.047	INCHES	
MIN. BEND RADIUS:	0.13	INCHES	
PREFERRED BEND RADIUS:	0.38	INCHES	
CONNECTOR RETENTION:	20	POUNDS MIN.	
TEMPERATURE RANGE:	-65 / +105	DEGREES C	
SMA MATING TORQUE:	7-10	INCH POUNDS	
CONNECTOR INTERFACES:	MIL-STD-348	CECC 2220	



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
OUTER CONDUCTOR:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
BOOTS:	NONE	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
MCX BODY:	ASTM-B-16, BRASS	MIL-G-45204, GOLD PLATED
SMA BODY:	ASTM-A-582, 303 STAINLESS STEEL	QQ-9-35, PASSIVATED
SMA NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35, PASSIVATED
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204, GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
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									
PART NUMBER		LENGTH INCHES	+ / - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHZ.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHZ.)						NOM DELAY nS	LENGTH CM		
					UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6		UP TO 1	1 TO 2	2 TO 3	3 TO 4	4 TO 6					
1-36M7-604- 5202		2.0	0.05	0.2	1.15	1.20	1.25	1.30	1.35		0.18	0.24	0.29	0.33	0.41	0.24	5.1			
1-36M7-604- 5203		3.0	0.05	0.2	1.15	1.20	1.25	1.30	1.35		0.21	0.28	0.35	0.40	0.50	0.36	7.6			
1-36M7-604- 5204		4.0	0.05	0.2	1.15	1.20	1.25	1.30	1.35		0.24	0.33	0.41	0.47	0.58	0.48	10.2			
1-36M7-604- 5205		5.0	0.05	0.3	1.15	1.20	1.25	1.30	1.35		0.27	0.38	0.47	0.54	0.66	0.60	12.7			
1-36M7-604- 5206		6.0	0.05	0.3	1.15	1.20	1.25	1.30	1.35		0.31	0.43	0.53	0.60	0.74	0.72	15.2			
1-36M7-604- 5207		7.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35		0.34	0.47	0.58	0.67	0.83	0.84	17.8			
1-36M7-604- 5208		8.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35		0.37	0.52	0.64	0.74	0.91	0.96	20.3			
1-36M7-604- 5209		9.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35		0.41	0.57	0.70	0.81	0.99	1.08	22.9			
1-36M7-604- 5210		10.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35		0.44	0.61	0.76	0.87	1.08	1.20	25.4			
1-36M7-604- 5211		11.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35		0.47	0.66	0.82	0.94	1.16	1.32	27.9			
1-36M7-604- 5212		12.0	0.10	0.3	1.15	1.20	1.25	1.30	1.35		0.51	0.71	0.87	1.01	1.24	1.44	30.5			
1-36M7-604- 5213		13.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.54	0.75	0.93	1.07	1.33	1.56	33.0			
1-36M7-604- 5214		14.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.57	0.80	0.99	1.14	1.41	1.68	35.6			
1-36M7-604- 5215		15.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.60	0.85	1.05	1.21	1.49	1.80	38.1			
1-36M7-604- 5216		16.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.64	0.90	1.11	1.28	1.58	1.92	40.6			
1-36M7-604- 5217		17.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.67	0.94	1.16	1.34	1.66	2.04	43.2			
1-36M7-604- 5218		18.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.70	0.99	1.22	1.41	1.74	2.16	45.7			
1-36M7-604- 5219		19.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.74	1.04	1.28	1.48	1.83	2.28	48.3			
1-36M7-604- 5220		20.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.77	1.08	1.34	1.55	1.91	2.40	50.8			
1-36M7-604- 5221		21.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.80	1.13	1.40	1.61	1.99	2.52	53.3			
1-36M7-604- 5222		22.0	0.15	0.3	1.15	1.20	1.25	1.30	1.35		0.83	1.18	1.45	1.68	2.08	2.64	55.9			
1-36M7-604- 5223		23.0	0.15	0.4	1.15	1.20	1.25	1.30	1.35		0.87	1.22	1.51	1.75	2.16	2.76	58.4			
1-36M7-604- 5224		24.0	0.20	0.4	1.15	1.20	1.25	1.30	1.35		0.90	1.27	1.57	1.81	2.24	2.88	61.0			
1-36M7-604- 5227		27.0	0.20	0.4	1.15	1.20	1.25	1.30	1.35		1.00	1.41	1.74	2.02	2.49	3.24	68.6			
1-36M7-604- 5230		30.0	0.20	0.4	1.15	1.20	1.25	1.30	1.35		1.10	1.55	1.92	2.22	2.74	3.60	76.2			
1-36M7-604- 5233		33.0	0.20	0.4	1.15	1.20	1.25	1.30	1.35		1.20	1.69	2.09	2.42	2.99	3.95	83.8			
1-36M7-604- 5236		36.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35		1.30	1.83	2.26	2.62	3.24	4.31	91.4			
1-36M7-604- 5239		39.0	0.25	0.4	1.15	1.20	1.25	1.30	1.35		1.39	1.98	2.44	2.82	3.49	4.67	99.1			
1-36M7-604- 5242		42.0	0.25	0.5	1.15	1.20	1.25	1.30	1.35		1.49	2.12	2.61	3.03	3.74	5.03	106.7			
1-36M7-604- 5245		45.0	0.25	0.5	1.15	1.20	1.25	1.30	1.35		1.59	2.26	2.79	3.23	3.99	5.39	114.3			
1-36M7-604- 5248		48.0	0.30	0.5	1.15	1.20	1.25	1.30	1.35		1.69	2.40	2.96	3.43	4.24	5.75	121.9			
1-36M7-604- 5254		54.0	0.30	0.5	1.15	1.20	1.25	1.30	1.35		1.89	2.68	3.31	3.83	4.74	6.47	137.2			
1-36M7-604- 5260		60.0	0.30	0.6	1.15	1.20	1.25	1.30	1.35		2.09	2.96	3.65	4.24	5.23	7.19	152.4			
1-36M7-604- 5266		66.0	0.30	0.6	1.15	1.20	1.25	1.30	1.35		2.28	3.24	4.00	4.64	5.73	7.91	167.6			
1-36M7-604- 5272		72.0	0.30	0.6	1.15	1.20	1.25	1.30	1.35		2.48	3.53	4.35	5.04	6.23	8.63	182.9			
1-36M7-604- 5278		78.0	0.30	0.7	1.15	1.20	1.25	1.30	1.35		2.68	3.81	4.70	5.45	6.73	9.35	198.1			
1-36M7-604- 5284		84.0	0.30	0.7	1.15	1.20	1.25	1.30	1.35		2.88	4.09	5.04	5.85	7.23	10.07	213.4			
1-36M7-604- 5290		90.0	0.30	0.7	1.15	1.20	1.25	1.30	1.35		3.07	4.37	5.39	6.25	7.73	10.79	228.6			
1-36M7-604- 5296		96.0	0.30	0.7	1.15	1.20	1.25	1.30	1.35		3.27	4.65	5.74	6.66	8.23	11.50	243.8			

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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