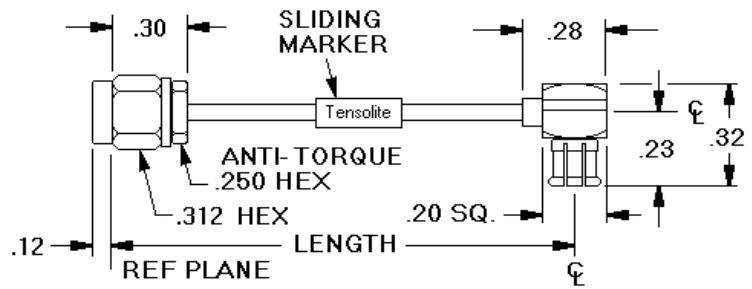


ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:	50		OHMS			
CAPACITANCE NOMINAL:	28.7		pF/FOOT			
RELATIVE SHIELDING:	-70		db MIN.			
VELOCITY OF PROPAGATION, NOMINAL:	70.7		%			
INSULATION RESISTANCE:	1000		MEGOHMS MIN.			
DIELECTRIC WITHSTANDING VOLTAGE:	500		VRMS MIN.			
ELECTRICAL DELAY:	1.44		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) ----->	0.5	1	2	4	6	
MAX. CW WATTS ---->	114	79	54	37	30	



MECHANICAL SPECIFICATIONS:			
CABLE MAX. DIAMETER:	0.089	INCHES	
MIN. BEND RADIUS:	0.13	INCHES	
PREFERRED BEND RADIUS:	0.38	INCHES	
CONNECTOR RETENTION:	30	POUNDS MIN.	
TEMPERATURE RANGE:	-50 to +105	DEGREES C	
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
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
SMA CONTACT:	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			
1-36M7-600- 5202		2.0	0.05	0.2	1.13	1.17	1.21	1.23	1.30		0.15	0.20	0.25	0.28	0.35	0.24	5.1	
1-36M7-600- 5203		3.0	0.05	0.2	1.13	1.17	1.21	1.23	1.30		0.17	0.23	0.28	0.32	0.40	0.36	7.6	
1-36M7-600- 5204		4.0	0.05	0.2	1.13	1.17	1.21	1.23	1.30		0.19	0.25	0.32	0.36	0.45	0.48	10.2	
1-36M7-600- 5205		5.0	0.05	0.2	1.13	1.17	1.21	1.23	1.30		0.21	0.28	0.35	0.40	0.50	0.60	12.7	
1-36M7-600- 5206		6.0	0.10	0.2	1.13	1.17	1.21	1.23	1.30		0.22	0.31	0.39	0.44	0.55	0.72	15.2	
1-36M7-600- 5207		7.0	0.10	0.2	1.13	1.17	1.21	1.23	1.30		0.24	0.34	0.42	0.48	0.60	0.84	17.8	
1-36M7-600- 5208		8.0	0.10	0.2	1.13	1.17	1.21	1.23	1.30		0.26	0.36	0.45	0.52	0.65	0.96	20.3	
1-36M7-600- 5209		9.0	0.10	0.2	1.13	1.17	1.21	1.23	1.30		0.28	0.39	0.49	0.56	0.70	1.08	22.9	
1-36M7-600- 5210		10.0	0.10	0.2	1.13	1.17	1.21	1.23	1.30		0.30	0.42	0.52	0.60	0.75	1.20	25.4	
1-36M7-600- 5211		11.0	0.15	0.2	1.13	1.17	1.21	1.23	1.30		0.32	0.45	0.56	0.65	0.81	1.32	27.9	
1-36M7-600- 5212		12.0	0.15	0.2	1.13	1.17	1.21	1.23	1.30		0.34	0.47	0.59	0.69	0.86	1.44	30.5	
1-36M7-600- 5213		13.0	0.15	0.2	1.13	1.17	1.21	1.23	1.30		0.36	0.50	0.63	0.73	0.91	1.56	33.0	
1-36M7-600- 5214		14.0	0.15	0.2	1.13	1.17	1.21	1.23	1.30		0.38	0.53	0.66	0.77	0.96	1.68	35.6	
1-36M7-600- 5215		15.0	0.15	0.2	1.13	1.17	1.21	1.23	1.30		0.40	0.56	0.70	0.81	1.01	1.80	38.1	
1-36M7-600- 5216		16.0	0.20	0.2	1.13	1.17	1.21	1.23	1.30		0.41	0.59	0.73	0.85	1.06	1.92	40.6	
1-36M7-600- 5217		17.0	0.20	0.2	1.13	1.17	1.21	1.23	1.30		0.43	0.61	0.76	0.89	1.11	2.04	43.2	
1-36M7-600- 5218		18.0	0.20	0.2	1.13	1.17	1.21	1.23	1.30		0.45	0.64	0.80	0.93	1.16	2.16	45.7	
1-36M7-600- 5219		19.0	0.20	0.2	1.13	1.17	1.21	1.23	1.30		0.47	0.67	0.83	0.97	1.21	2.28	48.3	
1-36M7-600- 5220		20.0	0.20	0.2	1.13	1.17	1.21	1.23	1.30		0.49	0.70	0.87	1.01	1.26	2.40	50.8	
1-36M7-600- 5221		21.0	0.21	0.2	1.13	1.17	1.21	1.23	1.30		0.51	0.72	0.90	1.05	1.31	2.52	53.3	
1-36M7-600- 5222		22.0	0.22	0.2	1.13	1.17	1.21	1.23	1.30		0.53	0.75	0.94	1.09	1.37	2.64	55.9	
1-36M7-600- 5223		23.0	0.23	0.2	1.13	1.17	1.21	1.23	1.30		0.55	0.78	0.97	1.13	1.42	2.76	58.4	
1-36M7-600- 5224		24.0	0.24	0.2	1.13	1.17	1.21	1.23	1.30		0.57	0.81	1.01	1.17	1.47	2.88	61.0	
1-36M7-600- 5227		27.0	0.27	0.2	1.13	1.17	1.21	1.23	1.30		0.62	0.89	1.11	1.29	1.62	3.24	68.6	
1-36M7-600- 5230		30.0	0.30	0.2	1.13	1.17	1.21	1.23	1.30		0.68	0.97	1.21	1.41	1.77	3.60	76.2	
1-36M7-600- 5233		33.0	0.33	0.2	1.13	1.17	1.21	1.23	1.30		0.74	1.05	1.32	1.54	1.92	3.95	83.8	
1-36M7-600- 5236		36.0	0.36	0.2	1.13	1.17	1.21	1.23	1.30		0.80	1.14	1.42	1.66	2.08	4.31	91.4	
1-36M7-600- 5239		39.0	0.39	0.2	1.13	1.17	1.21	1.23	1.30		0.85	1.22	1.52	1.78	2.23	4.67	99.1	
1-36M7-600- 5242		42.0	0.42	0.2	1.13	1.17	1.21	1.23	1.30		0.91	1.30	1.63	1.90	2.38	5.03	107	
1-36M7-600- 5245		45.0	0.45	0.2	1.13	1.17	1.21	1.23	1.30		0.97	1.39	1.73	2.02	2.54	5.39	114	
1-36M7-600- 5248		48.0	0.48	0.2	1.13	1.17	1.21	1.23	1.30		1.02	1.47	1.83	2.14	2.69	5.75	122	

THESE ASSEMBLIES ARE ALSO AVAILABLE IN ROHS COMPLIANT VERSIONS. TO ORDER, REPLACE THE "1" PREFIX WITH A "Y" OR REPLACE THE "2" PREFIX WITH A "Z".

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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