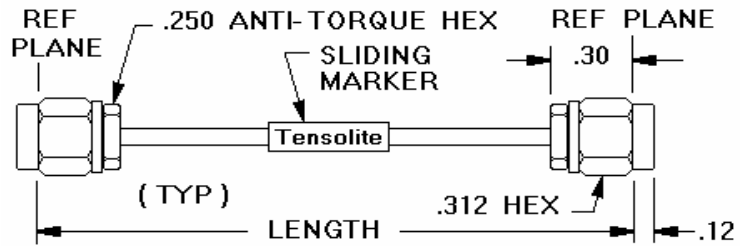


ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:	50 OHMS					
CAPACITANCE NOMINAL:	29.40 pF/FOOT					
VELOCITY OF PROPAGATION, NOMINAL:	70.7 %					
RELATIVE SHIELDING:	-100 dB MIN.					
INSULATION RESISTANCE:	1000 MEGOHMS MIN.					
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VRMS MIN.					
ELECTRICAL DELAY:	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 ---->	79	54	37	30	20	15
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:	0.090	INCHES
MIN. BEND RADIUS:	0.13	INCHES
PREFERRED BEND RADIUS:	0.38	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348	PAGE 310.3



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GREEN
SOLDER:	J-STD-006	NONE
FLUX:	J-STD-006	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
CONNECTOR BODIES:	ASTM-A-582, 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
CONNECTOR NUTS:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
SMA GASKET:	ZZ-R-765 SILICON RUBBER	NONE
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 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		
M-3636-600- 5202		2.0	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.10	0.13	0.18	0.22	0.31	0.40	0.24	5.1
M-3636-600- 5203		3.0	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.12	0.16	0.22	0.27	0.38	0.50	0.36	7.6
M-3636-600- 5204		4.0	0.05	0.2	1.06	1.10	1.14	1.17	1.20	1.30	0.14	0.18	0.26	0.32	0.46	0.60	0.48	10.2
M-3636-600- 5205		5.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.21	0.30	0.37	0.53	0.69	0.60	12.7
M-3636-600- 5206		6.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.24	0.34	0.42	0.61	0.79	0.72	15.2
M-3636-600- 5207		7.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.27	0.38	0.47	0.69	0.89	0.84	17.8
M-3636-600- 5208		8.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.21	0.29	0.42	0.52	0.76	0.99	0.96	20.3
M-3636-600- 5209		9.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.32	0.46	0.57	0.84	1.08	1.08	22.9
M-3636-600- 5210		10.0	0.10	0.3	1.06	1.10	1.14	1.17	1.20	1.30	0.25	0.35	0.50	0.62	0.92	1.18	1.20	25.4
M-3636-600- 5211		11.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.27	0.38	0.55	0.67	0.99	1.28	1.32	27.9
M-3636-600- 5212		12.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.40	0.59	0.72	1.07	1.38	1.44	30.5
M-3636-600- 5213		13.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.43	0.63	0.77	1.14	1.47	1.56	33.0
M-3636-600- 5214		14.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.46	0.67	0.83	1.22	1.57	1.68	35.6
M-3636-600- 5215		15.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.49	0.71	0.88	1.30	1.67	1.80	38.1
M-3636-600- 5216		16.0	0.15	0.4	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.51	0.75	0.93	1.37	1.77	1.92	40.6
M-3636-600- 5217		17.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.38	0.54	0.79	0.98	1.45	1.86	2.04	43.2
M-3636-600- 5218		18.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.40	0.57	0.83	1.03	1.52	1.96	2.16	45.7
M-3636-600- 5219		19.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.42	0.60	0.87	1.08	1.60	2.06	2.28	48.3
M-3636-600- 5220		20.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.44	0.62	0.91	1.13	1.68	2.15	2.40	50.8
M-3636-600- 5221		21.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.46	0.65	0.95	1.18	1.75	2.25	2.52	53.3
M-3636-600- 5222		22.0	0.15	0.5	1.06	1.10	1.14	1.17	1.20	1.30	0.48	0.68	0.99	1.23	1.83	2.35	2.64	55.9
M-3636-600- 5223		23.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.50	0.71	1.03	1.28	1.91	2.45	2.76	58.4
M-3636-600- 5224		24.0	0.15	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.52	0.74	1.07	1.33	1.98	2.54	2.88	61.0
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MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

ROHS COMPLIANT ASSEMBLIES

NOTE: ALL SPECIFICATIONS APPLY 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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