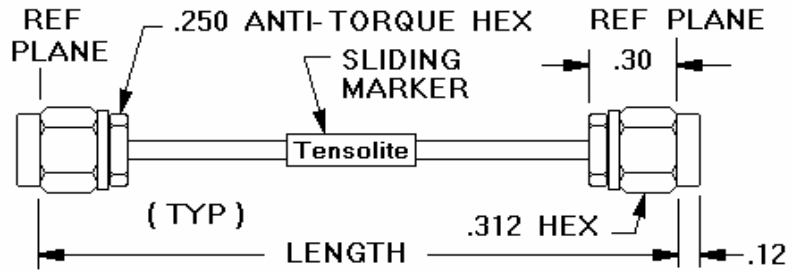


ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:	50 OHMS					
CAPACITANCE NOMINAL:	28.7 pF/FOOT					
VELOCITY OF PROPAGATION, NOMINAL:	70.7 %					
RELATIVE SHIELDING:	-100.0 db MIN.					
INSULATION RESISTANCE:	1000 MEGOHMS MIN.					
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VRMS MIN.					
ELECTRICAL DELAY NOMINAL:	1.44 ns/FOOT					
ELECTRICAL DELAY NOMINAL:	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 --->	200	136	91	71	46	36
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:	0.145 INCHES
MIN. BEND RADIUS:	0.19 INCHES
PREFERRED BEND RADIUS:	0.50 INCHES
CONNECTOR RETENTION:	50 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-004	NONE
INSULATORS:	ASTM-D-1710, 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	NONE
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION PART NUMBER	MECHANICAL CHARACTERISTICS LENGTH INCHES   + - LENGTH   WEIGHT OUNCES			S11 AND S22 CHARACTERISTICS MAXIMUM VSWR :1 AT FREQUENCY (IN GHz)							S12 AND S21 CHARACTERISTICS 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		
				1	2						1	2							
M-3636-601- 5202	2.00	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		
M-3636-601- 5203	3.00	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		
M-3636-601- 5204	4.00	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		
M-3636-601- 5205	5.00	0.10	0.3	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		
M-3636-601- 5206	6.00	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		
M-3636-601- 5207	7.00	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		
M-3636-601- 5208	8.00	0.10	0.4	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		
M-3636-601- 5209	9.00	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		
M-3636-601- 5210	10.00	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		
M-3636-601- 5211	11.00	0.15	0.5	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		
M-3636-601- 5212	12.00	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		
M-3636-601- 5213	13.00	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		
M-3636-601- 5214	14.00	0.15	0.6	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		
M-3636-601- 5215	15.00	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		
M-3636-601- 5216	16.00	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		
M-3636-601- 5217	17.00	0.15	0.7	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		
M-3636-601- 5218	18.00	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		
M-3636-601- 5219	19.00	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		
M-3636-601- 5220	20.00	0.20	0.8	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		
M-3636-601- 5221	21.00	0.21	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		
M-3636-601- 5222	22.00	0.22	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		
M-3636-601- 5223	23.00	0.23	0.9	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		
M-3636-601- 5224	24.00	0.24	0.9	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		

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.

ROHS COMPLIANT ASSEMBLIES

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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