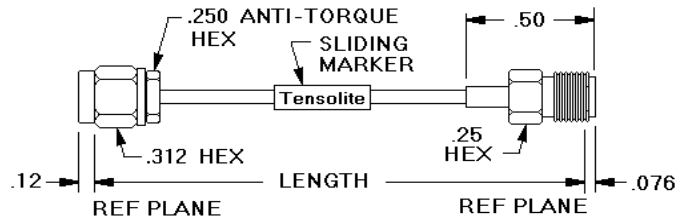


ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:	50		OHMS			
CAPACITANCE NOMINAL:	28.7		pF/FOOT			
VELOCITY OF PROPAGATION, NOMINAL:	70.7		%			
RELATIVE SHIELDING:	-100		db MIN.			
INSULATION RESISTANCE:	1000		MEGOHMS MIN.			
DIELECTRIC WITHSTANDING VOLTAGE:	1000		VRMS MIN.			
ELECTRICAL DELAY NOMINAL:	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

MECHANICAL SPECIFICATIONS:	
CABLE MAX. DIAMETER:	0.141 INCHES
MIN. BEND RADIUS:	0.19 INCHES
PREFERRED BEND RADIUS:	0.50 INCHES
CONNECTOR RETENTION:	50 POUNDS MIN.
TEMPERATURE RANGE:	-50 to +105 DEGREES C
MATING TORQUE:	7-10 INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
RoHS MARKER:	MIL-I-23053/5	GREEN
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	

NOTES: A POLYURETHANE JACKETED VERSION IS DESCRIBED ON 1-3638-621-5248 DATA SHEET

ITEM INFORMATION		MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS							S12 AND S21 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				
1-3638-601- 5202			2.00	0.05	0.3	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	
1-3638-601- 5203		D	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	
1-3638-601- 5204		D	4.00	0.05	0.4	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	
1-3638-601- 5205		D	5.00	0.05	0.4	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	
1-3638-601- 5206		D	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	
1-3638-601- 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	
1-3638-601- 5208		D	8.00	0.10	0.5	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	
1-3638-601- 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	0.76	1.08	22.9	
1-3638-601- 5210			10.0	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	
1-3638-601- 5211			11.0	0.10	0.6	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	
1-3638-601- 5212		D	12.0	0.10	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	
1-3638-601- 5213			13.0	0.10	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	
1-3638-601- 5214			14.0	0.10	0.7	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	
1-3638-601- 5215			15.0	0.10	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	
1-3638-601- 5216			16.0	0.10	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	
1-3638-601- 5217			17.0	0.10	0.8	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	
1-3638-601- 5218		D	18.0	0.10	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	
1-3638-601- 5219			19.0	0.10	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	
1-3638-601- 5220			20.0	0.10	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.28	0.39	0.58	0.72	1.09	1.43	2.40	50.8	
1-3638-601- 5221			21.0	0.10	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.41	0.60	0.75	1.14	1.49	2.52	53.3	
1-3638-601- 5222			22.0	0.10	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.42	0.62	0.78	1.18	1.55	2.64	55.9	
1-3638-601- 5223			23.0	0.10	1.0	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	
1-3638-601- 5224		D	24.0	0.15	1.0	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	
1-3638-601- 5225			25.0	0.15	1.0	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.47	0.70	0.87	1.32	1.73	3.00	63.5	
1-3638-601- 5226			26.0	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.34	0.49	0.72	0.90	1.37	1.79	3.12	66.0	
1-3638-601- 5227			27.0	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.50	0.74	0.93	1.42	1.85	3.24	68.6	
1-3638-601- 5228			28.0	0.15	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.52	0.77	0.96	1.46	1.91	3.36	71.1	
1-3638-601- 5229			29.0	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.54	0.79	0.99	1.51	1.97	3.48	73.7	
1-3638-601- 5230			30.0	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.55	0.82	1.02	1.56	2.03	3.60	76.2	
1-3638-601- 5231			31.0	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.40	0.57	0.84	1.06	1.60	2.10	3.71	78.7	
1-3638-601- 5232			32.0	0.15	1.2	1.06	1.10	1.14	1.17	1.20	1.30	0.41	0.58	0.86	1.09	1.65	2.16	3.83	81.3	
1-3638-601- 5233			33.0	0.15	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.42	0.60	0.89	1.12	1.70	2.22	3.95	83.8	
1-3638-601- 5234			34.0	0.15	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.43	0.62	0.91	1.15	1.74	2.28	4.07	86.4	
1-3638-601- 5235			35.0	0.15	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.44	0.63	0.93	1.18	1.79	2.34	4.19	88.9	
1-3638-601- 5236			36.0	0.20	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	4.31	91.4	
1-3638-601- 5237			37.0	0.20	1.4	1.10	1.15	1.20	1.25	1.30	1.35	0.46	0.66	0.98	1.24	1.88	2.46	4.43	94.0	
1-3638-601- 5238			38.0	0.20	1.4	1.10	1.15	1.20	1.25	1.30	1.35	0.47	0.68	1.01	1.27	1.93	2.52	4.55	96.5	
1-3638-601- 5239			39.0	0.20	1.5	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.70	1.03	1.30	1.98	2.58	4.67	99.1	
1-3638-601- 5240			40.0	0.20	1.5	1.10	1.15	1.20	1.25	1.30	1.35	0.49	0.71	1.05	1.33	2.02	2.64	4.79	102	
1-3638-601- 5241			41.0	0.20	1.5	1.10	1.15	1.20	1.25	1.30	1.35	0.50	0.73	1.08	1.36	2.07	2.70	4.91	104	
1-3638-601- 5242			42.0	0.20	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.52	0.74	1.10	1.39	2.12	2.77	5.03	107	
1-3638-601- 5243			43.0	0.20	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.53	0.76	1.12	1.42	2.16	2.83	5.15	109	
1-3638-601- 5244			44.0	0.20	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.77	1.15	1.45	2.21	2.89	5.27	112	
1-3638-601- 5245			45.0	0.20	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.55	0.79	1.17	1.48	2.26	2.95	5.39	114	
1-3638-601- 5246			46.0	0.20	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.56	0.81	1.20	1.51	2.30	3.01	5.51	117	
1-3638-601- 5247			47.0	0.20	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.82	1.22	1.54	2.35	3.07	5.63	119	
1-3638-601- 5248			48.0	0.25	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.58	0.84	1.24	1.57	2.40	3.13	5.75	122	
1-3638-601- 5260			60.0	0.30	2.1	1.10	1.15	1.20	1.25	1.30	1.35	0.71	1.03	1.53	1.94	2.96	3.86	7.19	152	
1-3638-601- 5272			72.0	0.50	2.5	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.22	1.82	2.30	3.52	4.59	8.63	183	

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"

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