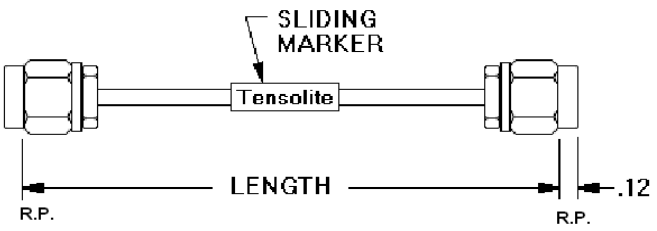
ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.7	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	212	145	98	77	51	40



MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.144	INCHES
MIN. BEND RADIUS:	0.15	INCHES
PREFERRED BEND RADIUS:	0.40	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-65 / +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:	ASTM-B-211, ALUMINUM	TIN PLATED
MARKER:	MIL-I-23053/5	GRAY
CONTACTS:	ASTM-B-196, 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	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

NOTE: FOR ASSEMBLIES OVER 99 INCHES, CONSULT FACTORY.

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS							
PART NUMBER		LENGTH	+ / -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	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	DELAY nS	CM
1-3636-618- 5202	D	2.0	0.05	0.6	1.06	1.10	1.14	1.17	1.20	1.30	0.08	0.10	0.14	0.17	0.24	0.32	0.24	5.1
1-3636-618- 5203	D	3.0	0.05	0.9	1.06	1.10	1.14	1.17	1.20	1.30	0.09	0.12	0.17	0.20	0.28	0.37	0.36	7.6
1-3636-618- 5204	D	4.0	0.05	1.1	1.06	1.10	1.14	1.17	1.20	1.30	0.10	0.13	0.19	0.23	0.32	0.43	0.48	10.2
1-3636-618- 5205	D	5.0	0.10	1.3	1.06	1.10	1.14	1.17	1.20	1.30	0.11	0.15	0.21	0.25	0.37	0.48	0.60	12.7
1-3636-618- 5206	D	6.0	0.10	1.5	1.06	1.10	1.14	1.17	1.20	1.30	0.12	0.16	0.23	0.28	0.41	0.54	0.72	15.2
1-3636-618- 5207		7.0	0.10	1.8	1.06	1.10	1.14	1.17	1.20	1.30	0.13	0.18	0.25	0.31	0.45	0.59	0.84	17.8
1-3636-618- 5208	D	8.0	0.10	2.0	1.06	1.10	1.14	1.17	1.20	1.30	0.14	0.19	0.28	0.34	0.49	0.65	0.96	20.3
1-3636-618- 5209		9.0	0.10	2.2	1.06	1.10	1.14	1.17	1.20	1.30	0.15	0.21	0.30	0.37	0.54	0.70	1.08	22.9
1-3636-618- 5210		10.0	0.10	2.5	1.06	1.10	1.14	1.17	1.20	1.30	0.16	0.22	0.32	0.39	0.58	0.76	1.20	25.4
1-3636-618- 5211		11.0	0.15	2.7	1.06	1.10	1.14	1.17	1.20	1.30	0.17	0.24	0.34	0.42	0.62	0.81	1.32	27.9
1-3636-618- 5212	D	12.0	0.15	2.9	1.06	1.10	1.14	1.17	1.20	1.30	0.18	0.25	0.37	0.45	0.66	0.87	1.44	30.5
1-3636-618- 5213		13.0	0.15	3.1	1.06	1.10	1.14	1.17	1.20	1.30	0.19	0.27	0.39	0.48	0.71	0.92	1.56	33.0
1-3636-618- 5214		14.0	0.15	3.4	1.06	1.10	1.14	1.17	1.20	1.30	0.20	0.28	0.41	0.51	0.75	0.98	1.68	35.6
1-3636-618- 5215		15.0	0.15	3.6	1.06	1.10	1.14	1.17	1.20	1.30	0.21	0.30	0.43	0.53	0.79	1.03	1.80	38.1
1-3636-618- 5216		16.0	0.15	3.8	1.06	1.10	1.14	1.17	1.20	1.30	0.22	0.31	0.45	0.56	0.83	1.09	1.92	40.6
1-3636-618- 5217		17.0	0.15	4.1	1.06	1.10	1.14	1.17	1.20	1.30	0.23	0.33	0.48	0.59	0.88	1.14	2.04	43.2
1-3636-618- 5218	D	18.0	0.15	4.3	1.06	1.10	1.14	1.17	1.20	1.30	0.24	0.34	0.50	0.62	0.92	1.20	2.16	45.7
1-3636-618- 5219		19.0	0.15	4.5	1.06	1.10	1.14	1.17	1.20	1.30	0.25	0.36	0.52	0.65	0.96	1.25	2.28	48.3
1-3636-618- 5220		20.0	0.15	4.7	1.06	1.10	1.14	1.17	1.20	1.30	0.26	0.37	0.54	0.67	1.00	1.31	2.40	50.8
1-3636-618- 5221		21.0	0.15	5.0	1.06	1.10	1.14	1.17	1.20	1.30	0.28	0.39	0.56	0.70	1.05	1.36	2.52	53.3
1-3636-618- 5222		22.0	0.15	5.2	1.06	1.10	1.14	1.17	1.20	1.30	0.29	0.40	0.59	0.73	1.09	1.42	2.64	55.9
1-3636-618- 5223		23.0	0.15	5.4	1.06	1.10	1.14	1.17	1.20	1.30	0.30	0.42	0.61	0.76	1.13	1.47	2.76	58.4
1-3636-618- 5224	D	24.0	0.15	5.7	1.06	1.10	1.14	1.17	1.20	1.30	0.31	0.43	0.63	0.79	1.17	1.53	2.88	61.0
1-3636-618- 5225		25.0	0.15	5.9	1.06	1.10	1.14	1.17	1.20	1.30	0.32	0.45	0.65	0.81	1.22	1.58	3.00	63.5
1-3636-618- 5226		26.0	0.15	6.1	1.06	1.10	1.14	1.17	1.20	1.30	0.33	0.46	0.68	0.84	1.26	1.63	3.12	66.0
1-3636-618- 5227		27.0	0.15	6.3	1.06	1.10	1.14	1.17	1.20	1.30	0.34	0.48	0.70	0.87	1.30	1.69	3.24	68.6
1-3636-618- 5228		28.0	0.15	6.6	1.06	1.10	1.14	1.17	1.20	1.30	0.35	0.49	0.72	0.90	1.34	1.74	3.36	71.1
1-3636-618- 5229		29.0	0.15	6.8	1.06	1.10	1.14	1.17	1.20	1.30	0.36	0.51	0.74	0.93	1.39	1.80	3.48	73.7
1-3636-618- 5230		30.0	0.15	7.0	1.06	1.10	1.14	1.17	1.20	1.30	0.37	0.52	0.76	0.95	1.43	1.85	3.60	76.2
1-3636-618- 5231		31.0	0.15	7.2	1.06	1.10	1.14	1.17	1.20	1.30	0.38	0.54	0.79	0.98	1.47	1.91	3.71	78.7
1-3636-618- 5232		32.0	0.15	7.5	1.06	1.10	1.14	1.17	1.20	1.30	0.39	0.55	0.81	1.01	1.51	1.96	3.83	81.3
1-3636-618- 5233		33.0	0.15	7.7	1.06	1.10	1.14	1.17	1.20	1.30	0.40	0.57	0.83	1.04	1.56	2.02	3.95	83.8
1-3636-618- 5234		34.0	0.15	7.9	1.06	1.10	1.14	1.17	1.20	1.30	0.41	0.58	0.85	1.07	1.60	2.07	4.07	86.4
1-3636-618- 5235		35.0	0.15	8.2	1.06	1.10	1.14	1.17	1.20	1.30	0.42	0.60	0.87	1.09	1.64	2.13	4.19	88.9
1-3636-618- 5236		36.0	0.20	8.4	1.10	1.15	1.20	1.25	1.30	1.35	0.43	0.61	0.90	1.12	1.68	2.18	4.31	91.4
1-3636-618- 5237		37.0	0.20	8.6	1.10	1.15	1.20	1.25	1.30	1.35	0.44	0.63	0.92	1.15	1.73	2.24	4.43	94.0
1-3636-618- 5238		38.0	0.20	8.8	1.10	1.15	1.20	1.25	1.30	1.35	0.45	0.64	0.94	1.18	1.77	2.29	4.55	96.5
1-3636-618- 5239		39.0	0.20	9.1	1.10	1.15	1.20	1.25	1.30	1.35	0.46	0.66	0.96	1.21	1.81	2.35	4.67	99.1
1-3636-618- 5240		40.0	0.20	9.3	1.10	1.15	1.20	1.25	1.30	1.35	0.47	0.67	0.99	1.23	1.85	2.40	4.79	102
1-3636-618- 5241		41.0	0.20	9.5	1.10	1.15	1.20	1.25	1.30	1.35	0.48	0.69	1.01	1.26	1.90	2.46	4.91	104
1-3636-618- 5242		42.0	0.20	9.8	1.10	1.15	1.20	1.25	1.30	1.35	0.49	0.70	1.03	1.29	1.94	2.51	5.03	107
1-3636-618- 5243		43.0	0.20	10.0	1.10	1.15	1.20	1.25	1.30	1.35	0.50	0.72	1.05	1.32	1.98	2.57	5.15	109
1-3636-618- 5244		44.0	0.20	10.2	1.10	1.15	1.20	1.25	1.30	1.35	0.51	0.73	1.07	1.35	2.03	2.62	5.27	112
1-3636-618- 5245		45.0	0.20	10.4	1.10	1.15	1.20	1.25	1.30	1.35	0.52	0.75	1.10	1.37	2.07	2.68	5.39	114
1-3636-618- 5246		46.0	0.20	10.7	1.10	1.15	1.20	1.25	1.30	1.35	0.53	0.76	1.12	1.40	2.11	2.73	5.51	117
1-3636-618- 5247		47.0	0.20	10.9	1.10	1.15	1.20	1.25	1.30	1.35	0.54	0.78	1.14	1.43	2.15	2.79	5.63	119
1-3636-618- 5248		48.0	0.25	11.1	1.10	1.15	1.20	1.25	1.30	1.35	0.55	0.79	1.16	1.46	2.20	2.84	5.75	122
1-3636-618- 5249		49.0	1.25	11.4	1.10	1.15	1.20	1.25	1.30	1.35	0.56	0.81	1.18	1.49	2.24	2.90	5.87	124
1-3636-618- 5250		50.0	1.25	11.6	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.82	1.21	1.51	2.28	2.95	5.99	127
1-3636-618- 5251		51.0	2.25	11.8	1.10	1.15	1.20	1.25	1.30	1.35	0.58	0.84	1.23	1.54	2.32	3.01	6.11	130
1-3636-618- 5254		54.0	0.54	12.5	1.10	1.15	1.20	1.25	1.30	1.35	0.61	0.88	1.30	1.63	2.45	3.17	6.47	137
1-3636-618- 5255		55.0	0.55	12.7	1.10	1.15	1.20	1.25	1.30	1.35	0.62	0.90	1.32	1.65	2.49	3.23	6.59	140
1-3636-618- 5260		60.0	0.60	13.9	1.10	1.15	1.20	1.25	1.30	1.35	0.67	0.97	1.43	1.79	2.71	3.50	7.19	152
1-3636-618- 5264		64.0	0.64	14.8	1.10	1.15	1.20	1.25	1.30	1.35	0.72	1.03	1.52	1.91	2.88	3.72	7.67	163
1-3636-618- 5265		65.0	0.65	15.0	1.10	1.15	1.20	1.25	1.30	1.35	0.73	1.05	1.54	1.93	2.92	3.78	7.79	165
1-3636-618- 5266		66.0	0.66	15.2	1.10	1.15	1.20	1.25	1.30	1.35	0.74	1.06	1.56	1.96	2.96	3.83	7.91	168
1-3636-618- 5272		72.0	0.72	16.6	1.10	1.15	1.20	1.25	1.30	1.35	0.80	1.15	1.69	2.13	3.22	4.16	8.63	183
1-3636-618- 5276		76.0	0.76	17.5	1.10	1.15	1.20	1.25	1.30	1.35	0.84	1.21	1.78	2.24	3.39	4.38	9.11	193
1-3636-618- 5279		79.0	0.79	18.2	1.10	1.15	1.20	1.25	1.30	1.35	0.87	1.25	1.85	2.33	3.51	4.54	9.47	201
1-3636-618- 5280		80.0	0.80	18.4	1.10	1.15	1.20	1.25	1.30	1.35	0.88	1.27	1.87	2.35	3.56	4.60	9.59	203
1-3636-618- 5281		81.0	0.81	18.6	1.10	1.15	1.20	1.25	1.30	1.35	0.89	1.28	1.89	2.38	3.60	4.65	9.71	206
1-3636-618- 5289		89.0	0.89	20.5	1.10	1.15	1.20	1.25	1.30	1.35	0.97	1.40	2.07	2.61	3.94	5.09	10.67	226
1-3636-618- 5290		90.0	0.90	20.7	1.10	1.15	1.20	1.25	1.30	1.35	0.98	1.42	2.09	2.64	3.98	5.15	10.79	229
1-3636-618- 5299		99.0	0.99	22.8	1.10	1.15	1.20	1.25	1.30	1.35	1.07	1.55	2.29	2.89	4.36	5.64	11.86	251

D = DISTRIBUTOR ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM PLUS MEASURING SYSTEM UNCERTAINTY.

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.

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".

VISIT OUR WEB SITE AT http://www.tensolite.com