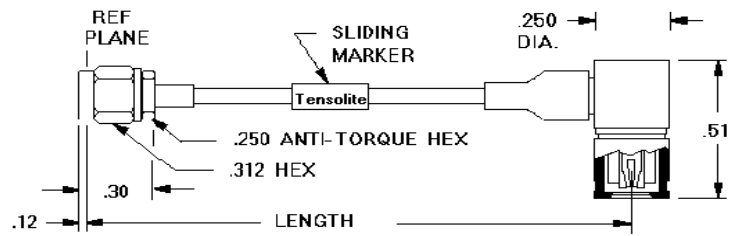


ELECTRICAL SPECIFICATIONS	
IMPEDANCE, NOMINAL:	50 OHMS
CAPACITANCE NOMINAL:	28.8 pf/FOOT
RELATIVE SHIELDING:	-70 db MIN. (1 FT)
VELOCITY OF PROPAGATION, NOMINAL:	70.7 %
INSULATION RESISTANCE:	1000 MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VRMS MIN.
ELECTRICAL DELAY:	1.44 ns/FOOT
ELECTRICAL DELAY:	120 ps/INCH
MAX. PULSE RF POWER:	500 WATTS
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)	
F (IN GHz) ----->	0.5 1 2 4
MAX. CW WATTS --->	113 80 56 39

MECHANICAL SPECIFICATIONS:	
CABLE MAX. DIAMETER:	0.109 INCHES
MIN. BEND RADIUS:	0.63 INCHES
PREFERRED BEND RADIUS:	2.13 INCHES
CONNECTOR RETENTION:	30 POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105 DEGREES C
MATING TORQUE:	7-10 INCH POUNDS
CONNECTOR INTERFACE:	MIL-STD-348



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	FEP	BLUE
MARKER:	MIL-I-23053/5	GRAY
BOOTS:	MIL-I-23053	BLACK
SMB BODY:	ASTM B16 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 B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
SMA GASKET:	ZZ-R-765 SILICON RUBBER	RED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

PART NUMBER	LENGTH INCHES	+ - LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)				MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)				LENGTH CM
				UP TO .5	.5 TO 1	1 TO 2	2 TO 4	UP TO .5	.5 TO 1	1 TO 2	2 TO 4	
1-3643-461- 5206	6.0	0.25	0.5	1.15	1.20	1.23	1.25	0.18	0.24	0.34	0.47	15.2
1-3643-461- 5207	7.0	0.25	0.5	1.15	1.20	1.23	1.25	0.19	0.26	0.37	0.51	17.8
1-3643-461- 5208	8.0	0.25	0.6	1.15	1.20	1.23	1.25	0.20	0.28	0.39	0.55	20.3
1-3643-461- 5209	9.0	0.25	0.6	1.15	1.20	1.23	1.25	0.22	0.30	0.42	0.59	22.9
1-3643-461- 5210	10.0	0.25	0.7	1.15	1.20	1.23	1.25	0.23	0.31	0.45	0.62	25.4
1-3643-461- 5211	11.0	0.25	0.7	1.15	1.20	1.23	1.25	0.24	0.33	0.47	0.66	27.9
1-3643-461- 5212	12.0	0.25	0.7	1.15	1.20	1.23	1.25	0.26	0.35	0.50	0.70	30.5
1-3643-461- 5213	13.0	0.25	0.8	1.15	1.20	1.23	1.25	0.27	0.37	0.53	0.74	33.0
1-3643-461- 5214	14.0	0.25	0.8	1.15	1.20	1.23	1.25	0.28	0.39	0.55	0.78	35.6
1-3643-461- 5215	15.0	0.25	0.9	1.15	1.20	1.23	1.25	0.29	0.41	0.58	0.82	38.1
1-3643-461- 5216	16.0	0.25	0.9	1.15	1.20	1.23	1.25	0.31	0.43	0.61	0.86	40.6
1-3643-461- 5217	17.0	0.25	0.9	1.15	1.20	1.23	1.25	0.32	0.44	0.63	0.89	43.2
1-3643-461- 5218	18.0	0.25	1.0	1.15	1.20	1.23	1.25	0.33	0.46	0.66	0.93	45.7
1-3643-461- 5219	19.0	0.25	1.0	1.15	1.20	1.23	1.25	0.35	0.48	0.69	0.97	48.3
1-3643-461- 5220	20.0	0.25	1.1	1.15	1.20	1.23	1.25	0.36	0.50	0.71	1.01	50.8
1-3643-461- 5221	21.0	0.25	1.1	1.15	1.20	1.23	1.25	0.37	0.52	0.74	1.05	53.3
1-3643-461- 5222	22.0	0.25	1.2	1.15	1.20	1.23	1.25	0.38	0.54	0.77	1.09	55.9
1-3643-461- 5223	23.0	0.25	1.2	1.15	1.20	1.23	1.25	0.40	0.55	0.79	1.12	58.4
1-3643-461- 5224	24.0	0.24	1.2	1.15	1.20	1.23	1.25	0.41	0.57	0.82	1.16	61.0
1-3643-461- 5226	26.0	0.26	1.3	1.15	1.20	1.23	1.25	0.44	0.61	0.87	1.24	66.0
1-3643-461- 5228	28.0	0.28	1.4	1.15	1.20	1.23	1.25	0.46	0.65	0.92	1.32	71.1
1-3643-461- 5230	30.0	0.30	1.5	1.15	1.20	1.23	1.25	0.49	0.68	0.98	1.39	76.2
1-3643-461- 5232	32.0	0.32	1.6	1.15	1.20	1.23	1.25	0.51	0.72	1.03	1.47	81.3
1-3643-461- 5234	34.0	0.34	1.7	1.15	1.20	1.23	1.25	0.54	0.76	1.08	1.55	86.4
1-3643-461- 5236	36.0	0.36	1.8	1.15	1.20	1.23	1.25	0.56	0.79	1.14	1.62	91.4
1-3643-461- 5239	39.0	0.39	1.9	1.15	1.20	1.23	1.25	0.60	0.85	1.22	1.74	99.1
1-3643-461- 5242	42.0	0.42	2.0	1.15	1.20	1.23	1.25	0.64	0.90	1.30	1.86	107
1-3643-461- 5245	45.0	0.45	2.1	1.15	1.20	1.23	1.25	0.68	0.96	1.38	1.97	114
1-3643-461- 5248	48.0	0.48	2.3	1.15	1.20	1.23	1.25	0.72	1.02	1.46	2.09	122
1-3643-461- 5254	54.0	0.54	2.5	1.15	1.20	1.23	1.25	0.80	1.13	1.61	2.32	137
1-3643-461- 5260	60.0	0.60	2.8	1.15	1.20	1.23	1.25	0.87	1.24	1.77	2.55	152
1-3643-461- 5266	66.0	0.66	3.0	1.13	1.17	1.21	1.23	0.95	1.35	1.93	2.78	168
1-3643-461- 5272	72.0	0.72	3.3	1.13	1.17	1.21	1.23	1.03	1.46	2.09	3.01	183
1-3643-461- 5284	84.0	0.84	3.8	1.13	1.17	1.21	1.23	1.18	1.68	2.41	3.47	213
1-3643-461- 5296	96.0	0.96	4.3	1.15	1.20	1.23	1.25	1.34	1.90	2.73	3.93	244
1-3643-461- 5299	99.0	0.99	4.4	1.13	1.17	1.21	1.23	1.38	1.96	2.81	4.05	251

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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