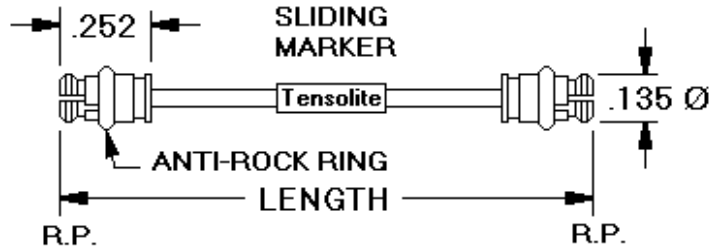


ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:			50		OHMS	
CAPACITANCE NOMINAL:			29.40		pF/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:			70.7		%	
RELATIVE SHIELDING:			-100		dB MIN.	
INSULATION RESISTANCE:			1000		MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:			1000		VRMS MIN.	
ELECTRICAL DELAY:			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	4	12	18	26	40
MAX. CW WATTS --->	79	37	20	15	12	9
PHASE STABILITY DEG	0.2	0.7	2	3	5	8
LOSS STABILITY dB	0.01	0.01	0.03	0.05	0.08	0.10
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						

MECHANICAL SPECIFICATIONS:	
CABLE MAX. DIAMETER:	0.089 INCHES
MIN. BEND RADIUS:	0.13 INCHES
PREFERRED BEND RADIUS:	0.38 INCHES
CONNECTOR RETENTION:	30 POUNDS MIN.
TEMPERATURE RANGE:	-65 / +105 DEGREES C
MATING TORQUE:	7-10 INCH POUNDS
CONNECTOR INTERFACE:	COMMERCIAL SMP



CONSULT FACTORY FOR AVAILABILITY

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
CONNECTOR BODIES:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION		MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS						S21 AND S12 CHARACTERISTICS								LENGTH CM	
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
					UP TO 2	2 TO 4	4 TO 12	12 TO 18	18 TO 26	26 TO 40	UP TO 2	2 TO 4	4 TO 12	12 TO 18	18 TO 26	26 TO 40				
1-G6G6-600- 3402		2.0	0.05	0.2	1.14	1.20	1.30	1.40	1.50	1.60	0.20	0.28	0.48	0.61	0.75	0.95	0.24	5.1		
1-G6G6-600- 3403		3.0	0.05	0.2	1.14	1.20	1.30	1.40	1.50	1.60	0.23	0.32	0.56	0.71	0.87	1.11	0.36	7.6		
1-G6G6-600- 3404		4.0	0.05	0.2	1.14	1.20	1.30	1.40	1.50	1.60	0.25	0.36	0.63	0.81	1.00	1.27	0.48	10.2		
1-G6G6-600- 3405		5.0	0.10	0.3	1.14	1.20	1.30	1.40	1.50	1.60	0.28	0.40	0.71	0.91	1.12	1.43	0.60	12.7		
1-G6G6-600- 3406		6.0	0.10	0.3	1.14	1.20	1.30	1.40	1.50	1.60	0.31	0.44	0.78	1.00	1.24	1.59	0.72	15.2		
1-G6G6-600- 3407		7.0	0.10	0.3	1.14	1.20	1.30	1.40	1.50	1.60	0.34	0.48	0.86	1.10	1.36	1.75	0.84	17.8		
1-G6G6-600- 3408		8.0	0.10	0.3	1.14	1.20	1.30	1.40	1.50	1.60	0.36	0.52	0.94	1.20	1.48	1.91	0.96	20.3		
1-G6G6-600- 3409		9.0	0.10	0.3	1.14	1.20	1.30	1.40	1.50	1.60	0.39	0.56	1.01	1.29	1.61	2.07	1.08	22.9		
1-G6G6-600- 3410		10.0	0.10	0.3	1.14	1.20	1.30	1.40	1.50	1.60	0.42	0.60	1.09	1.39	1.73	2.23	1.20	25.4		
1-G6G6-600- 3411		11.0	0.15	0.4	1.14	1.20	1.30	1.40	1.50	1.60	0.45	0.65	1.16	1.49	1.85	2.39	1.32	27.9		
1-G6G6-600- 3412		12.0	0.15	0.4	1.14	1.20	1.30	1.40	1.50	1.60	0.47	0.69	1.24	1.59	1.97	2.55	1.44	30.5		
1-G6G6-600- 3413		13.0	0.15	0.4	1.14	1.20	1.30	1.40	1.50	1.60	0.50	0.73	1.32	1.68	2.09	2.71	1.56	33.0		
1-G6G6-600- 3414		14.0	0.15	0.4	1.14	1.20	1.30	1.40	1.50	1.60	0.53	0.77	1.39	1.78	2.22	2.88	1.68	35.6		
1-G6G6-600- 3415		15.0	0.15	0.4	1.14	1.20	1.30	1.40	1.50	1.60	0.56	0.81	1.47	1.88	2.34	3.04	1.80	38.1		
1-G6G6-600- 3416		16.0	0.15	0.4	1.14	1.20	1.30	1.40	1.50	1.60	0.59	0.85	1.55	1.97	2.46	3.20	1.92	40.6		
1-G6G6-600- 3417		17.0	0.15	0.5	1.14	1.20	1.30	1.40	1.50	1.60	0.61	0.89	1.62	2.07	2.58	3.36	2.04	43.2		
1-G6G6-600- 3418		18.0	0.15	0.5	1.14	1.20	1.30	1.40	1.50	1.60	0.64	0.93	1.70	2.17	2.71	3.52	2.16	45.7		
1-G6G6-600- 3419		19.0	0.15	0.5	1.14	1.20	1.30	1.40	1.50	1.60	0.67	0.97	1.77	2.27	2.83	3.68	2.28	48.3		
1-G6G6-600- 3420		20.0	0.15	0.5	1.14	1.20	1.30	1.40	1.50	1.60	0.70	1.01	1.85	2.36	2.95	3.84	2.40	50.8		
1-G6G6-600- 3421		21.0	0.15	0.5	1.14	1.20	1.30	1.40	1.50	1.60	0.72	1.05	1.93	2.46	3.07	4.00	2.52	53.3		
1-G6G6-600- 3422		22.0	0.15	0.5	1.14	1.20	1.30	1.40	1.50	1.60	0.75	1.09	2.00	2.56	3.19	4.16	2.64	55.9		
1-G6G6-600- 3423		23.0	0.15	0.6	1.14	1.20	1.30	1.40	1.50	1.60	0.78	1.13	2.08	2.66	3.32	4.32	2.76	58.4		
1-G6G6-600- 3424		24.0	0.15	0.6	1.14	1.20	1.30	1.40	1.50	1.60	0.81	1.17	2.15	2.75	3.44	4.48	2.88	61.0		
1-G6G6-600- 3425		25.0	0.15	0.6	1.14	1.20	1.30	1.40	1.50	1.60	0.83	1.21	2.23	2.85	3.56	4.64	3.00	63.5		
1-G6G6-600- 3426		26.0	0.15	0.6	1.14	1.20	1.30	1.40	1.50	1.60	0.86	1.25	2.31	2.95	3.68	4.80	3.12	66.0		
1-G6G6-600- 3427		27.0	0.15	0.6	1.14	1.20	1.30	1.40	1.50	1.60	0.89	1.29	2.38	3.04	3.80	4.96	3.24	68.6		
1-G6G6-600- 3428		28.0	0.15	0.6	1.14	1.20	1.30	1.40	1.50	1.60	0.92	1.33	2.46	3.14	3.93	5.12	3.36	71.1		
1-G6G6-600- 3429		29.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	0.94	1.37	2.54	3.24	4.05	5.29	3.48	73.7		
1-G6G6-600- 3430		30.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	0.97	1.41	2.61	3.34	4.17	5.45	3.60	76.2		
1-G6G6-600- 3431		31.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	1.00	1.45	2.69	3.43	4.29	5.61	3.71	78.7		
1-G6G6-600- 3432		32.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	1.03	1.49	2.76	3.53	4.41	5.77	3.83	81.3		
1-G6G6-600- 3433		33.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	1.05	1.54	2.84	3.63	4.54	5.93	3.95	83.8		
1-G6G6-600- 3434		34.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	1.08	1.58	2.92	3.72	4.66	6.09	4.07	86.4		
1-G6G6-600- 3435		35.0	0.15	0.7	1.14	1.20	1.30	1.40	1.50	1.60	1.11	1.62	2.99	3.82	4.78	6.25	4.19	88.9		
1-G6G6-600- 3436		36.0	0.20	0.8	1.17	1.23	1.33	1.43	1.53	1.63	1.14	1.66	3.07	3.92	4.90	6.41	4.31	91.4		
1-G6G6-600- 3437		37.0	0.20	0.8	1.17	1.23	1.33	1.43	1.53	1.63	1.17	1.70	3.14	4.02	5.02	6.57	4.43	94.0		
1-G6G6-600- 3438		38.0	0.20	0.8	1.17	1.23	1.33	1.43	1.53	1.63	1.19	1.74	3.22	4.11	5.15	6.73	4.55	96.5		
1-G6G6-600- 3439		39.0	0.20	0.8	1.17	1.23	1.33	1.43	1.53	1.63	1.22	1.78	3.30	4.21	5.27	6.89	4.67	99.1		
1-G6G6-600- 3440		40.0	0.20	0.8	1.17	1.23	1.33	1.43	1.53	1.63	1.25	1.82	3.37	4.31	5.39	7.05	4.79	101.6		
1-G6G6-600- 3441		41.0	0.20	0.8	1.17	1.23	1.33	1.43	1.53	1.63	1.28	1.86	3.45	4.41	5.51	7.21	4.91	104.1		
1-G6G6-600- 3442		42.0	0.20	0.9	1.17	1.23	1.33	1.43	1.53	1.63	1.30	1.90	3.53	4.50	5.63	7.37	5.03	106.7		
1-G6G6-600- 3443		43.0	0.20	0.9	1.17	1.23	1.33	1.43	1.53	1.63	1.33	1.94	3.60	4.60	5.76	7.53	5.15	109.2		
1-G6G6-600- 3444		44.0	0.20	0.9	1.17	1.23	1.33	1.43	1.53	1.63	1.36	1.98	3.68	4.70	5.88	7.70	5.27	111.8		
1-G6G6-600- 3445		45.0	0.20	0.9	1.17	1.23	1.33	1.43	1.53	1.63	1.39	2.02	3.75	4.79	6.00	7.86	5.39	114.3		
1-G6G6-600- 3446		46.0	0.20	0.9	1.17	1.23	1.33	1.43	1.53	1.63	1.41	2.06	3.83	4.89	6.12	8.02	5.51	116.8		
1-G6G6-600- 3447		47.0	0.20	0.9	1.17	1.23	1.33	1.43	1.53	1.63	1.44	2.10	3.91	4.99	6.24	8.18	5.63	119.4		
1-G6G6-600- 3448		48.0	0.25	1.0	1.17	1.23	1.33	1.43	1.53	1.63	1.47	2.14	3.98	5.09	6.37	8.34	5.75	121.9		

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.

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