



ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:	50 OHMS					
CAPACITANCE NOMINAL:	28.8 pf/FOOT					
VELOCITY OF PROPAGATION, NOMINAL:	70.5 %					
RELATIVE SHIELDING:	-100.0 dB MIN.					
INSULATION RESISTANCE:	1000 MEGOHMS MIN.					
DIELECTRIC WITHSTANDING VOLTAGE:	1500 VRMS MIN.					
ELECTRICAL DELAY, NOMINAL:	1.44 ns/FOOT					
ELECTRICAL DELAY, NOMINAL:	120 ps/INCH					
PULSE RF POWER:	1250 WATTS MAX. (INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)					
F (IN GHz) ----->	1	2	4	6	12.4	18
MAX. CW WATTS ----->	50	33	22	17.3	11.4	8.5
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY dB---->	0.01	0.01	0.01	0.015	0.031	0.045
CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS						

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE:	7-1112-524-11	SEE DATA SHEET
CABLE JACKET:	POLYURETHANE	BLACK
MARKER:	MIL-I-23053	WHITE/BLACK MARKING
BOOTS:	MIL-I-23053	BLACK
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM D1457 PTFE	NONE
SMA BODY:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
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	

MECHANICAL SPECIFICATIONS:	
CABLE MAX. DIAMETER:	0.222 INCHES
MINIMUM BEND RADIUS:	4.00 INCHES
CONNECTOR RETENTION:	100 POUNDS MIN.
TEMPERATURE RANGE:	-55 to +85 DEGREES C
MATING TORQUE:	7-10 INCH POUNDS
SMA CONNECTOR INTERFACES:	MIL-STD-348

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 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4	12 TO 18	UP TO 1	1 TO 2	2 TO 4	4 TO 6	6 TO 12.4	12 TO 18	
1-3636-524-WH 12	S	12.0	0.25	4.6	1.07	1.12	1.18	1.23	1.28	1.30	0.19	0.23	0.38	0.47	0.72	0.93	30.5
1-3636-524-WH 18	S	18.0	0.25	5.0	1.07	1.12	1.18	1.23	1.28	1.30	0.25	0.33	0.52	0.65	1.00	1.29	45.7
1-3636-524-WH 24	S	24.0	0.25	5.4	1.07	1.12	1.18	1.23	1.28	1.30	0.32	0.42	0.66	0.83	1.29	1.65	61.0
1-3636-524-WH 30	S	30.0	0.25	5.8	1.07	1.12	1.18	1.23	1.28	1.30	0.38	0.52	0.81	1.01	1.57	2.01	76.2
1-3636-524-WH 36	S	36.0	0.36	6.1	1.07	1.12	1.18	1.23	1.28	1.30	0.45	0.61	0.95	1.19	1.85	2.37	91.4
1-3636-524-WH 37		37.0	0.37	6.2	1.07	1.12	1.18	1.23	1.28	1.30	0.46	0.63	0.97	1.22	1.90	2.43	94.0
1-3636-524-WH 39	M	39.4	0.39	6.3	1.07	1.12	1.18	1.23	1.28	1.30	0.48	0.66	1.03	1.29	2.01	2.57	100.0
1-3636-524-WH 42	S	42.0	0.42	6.5	1.10	1.15	1.20	1.25	1.30	1.35	0.51	0.70	1.09	1.37	2.13	2.73	106.7
1-3636-524-WH 48	S	48.0	0.48	6.9	1.10	1.15	1.20	1.25	1.30	1.35	0.57	0.80	1.23	1.55	2.41	3.09	121.9
1-3636-524-WH 54	S	54.0	0.54	7.3	1.10	1.15	1.20	1.25	1.30	1.35	0.64	0.89	1.37	1.73	2.70	3.45	137.2
1-3636-524-WH 59	M	59.0	0.59	7.6	1.10	1.15	1.20	1.25	1.30	1.35	0.69	0.97	1.49	1.88	2.93	3.75	150.0
1-3636-524-WH 60		60.0	0.60	7.6	1.10	1.15	1.20	1.25	1.30	1.35	0.70	0.99	1.51	1.91	2.98	3.81	152.4
1-3636-524-WH 72	S	72.0	0.72	8.4	1.10	1.15	1.20	1.25	1.30	1.35	0.83	1.18	1.79	2.27	3.54	4.53	182.9
1-3636-524-WH 84		84.0	0.84	9.1	1.10	1.15	1.20	1.25	1.30	1.35	0.96	1.37	2.08	2.63	4.11	5.25	213.4
1-3636-524-WH 96		96.0	0.96	9.9	1.10	1.15	1.20	1.25	1.30	1.35	1.09	1.56	2.36	2.99	4.67	5.97	243.8
2-3636-524-WH 10		120.0	1.20	11.4	1.12	1.18	1.23	1.28	1.35	1.38	1.35	1.93	2.92	3.71	5.80	7.41	304.8
2-3636-524-WH 15		180.0	1.80	15.2	1.12	1.18	1.23	1.28	1.35	1.38	1.99	2.88	4.34	5.51	8.63	11.01	457.2
2-3636-524-WH 20		240.0	2.40	18.9	1.12	1.18	1.23	1.28	1.35	1.38	2.63	3.83	5.75	7.31	11.45	14.61	609.6
2-3636-524-WH 25		300.0	3.00	22.7	1.12	1.18	1.23	1.28	1.35	1.38	3.28	4.77	7.16	9.11	14.27	18.21	762.0

1= INCHES S = STANDARD ITEM MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING MEASURING SYSTEM UNCERTAINTY.
 2= FEET M = METRIC EQUIVALENT LENGTH

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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