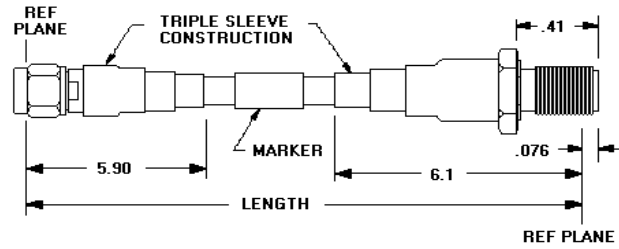


ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:	50 OHMS					
CAPACITANCE NOMINAL:	29.4 pF/FOOT					
VELOCITY OF PROPAGATION, NOMINAL:	70.5 %					
RELATIVE SHIELDING:	> -100 dB MIN.					
INSULATION RESISTANCE:	1000 MEGOHMS MIN.					
DIELECTRIC WITHSTANDING VOLTAGE:	1000 VRMS MIN.					
ELECTRICAL DELAY, NOMINAL:	1.44 ns/FOOT					
ELECTRICAL DELAY, NOMINAL:	120 ps/INCH					
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	18
MAX. CW WATTS ----->	560	360	240	200	130	110
PHASE STABILITY DEG.	0.3	0.6	1.2	1.8	3.6	5.4
LOSS STABILITY DB----->	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS						

MECHANICAL SPECIFICATIONS:							
CABLE MAX. DIAMETER:	0.200 INCHES						
MINIMUM BEND RADIUS:	4.00 INCHES						
CONNECTOR RETENTION:	75 POUNDS MIN.						
TEMPERATURE RANGE:	-55 to +105 DEGREES C						
MATING TORQUE:	7-10 INCH POUNDS						
CONNECTOR INTERFACES:	MIL-STD-348 HYBRID SMA						



MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	LP-389 FEP	BROWN TINT
MARKER:	MIL-I-23053	WHITE
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
CONNECTOR BODIES:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
CONNECTOR NUTS:	ASTM A 582 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
GASKETS:	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 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		
WHU18-3638-0 18	18.0	0.25	3.3	1.07	1.12	1.15	1.18	1.22	1.30		0.26	0.36	0.52	0.65	0.97	1.25		45.7
WHU18-3638-0 24	24.0	0.25	3.7	1.07	1.12	1.15	1.18	1.22	1.30		0.32	0.45	0.66	0.82	1.24	1.60		61.0
WHU18-3638-0 25	25.0	0.25	3.7	1.07	1.12	1.15	1.18	1.22	1.30		0.33	0.47	0.68	0.85	1.28	1.65		63.5
WHU18-3638-0 26	26.0	0.26	3.8	1.07	1.12	1.15	1.18	1.22	1.30		0.34	0.48	0.70	0.87	1.32	1.71		66.0
WHU18-3638-0 27	27.0	0.27	3.8	1.07	1.12	1.15	1.18	1.22	1.30		0.35	0.50	0.72	0.90	1.37	1.77		68.6
WHU18-3638-0 28	28.0	0.28	3.9	1.07	1.12	1.15	1.18	1.22	1.30		0.36	0.51	0.75	0.93	1.41	1.82		71.1
WHU18-3638-0 29	29.0	0.29	3.9	1.07	1.12	1.15	1.18	1.22	1.30		0.38	0.53	0.77	0.96	1.46	1.88		73.7
WHU18-3638-0 30	30.0	0.30	4.0	1.07	1.12	1.15	1.18	1.22	1.30		0.39	0.54	0.79	0.99	1.50	1.94		76.2
WHU18-3638-0 31	31.0	0.31	4.1	1.07	1.12	1.15	1.18	1.22	1.30		0.40	0.56	0.81	1.02	1.54	2.00		78.7
WHU18-3638-0 32	32.0	0.32	4.1	1.07	1.12	1.15	1.18	1.22	1.30		0.41	0.57	0.84	1.05	1.59	2.05		81.3
WHU18-3638-0 33	33.0	0.33	4.2	1.07	1.12	1.15	1.18	1.22	1.30		0.42	0.59	0.86	1.07	1.63	2.11		83.8
WHU18-3638-0 34	34.0	0.34	4.2	1.07	1.12	1.15	1.18	1.22	1.30		0.43	0.60	0.88	1.10	1.67	2.17		86.4
WHU18-3638-0 35	35.0	0.35	4.3	1.07	1.12	1.15	1.18	1.22	1.30		0.44	0.62	0.90	1.13	1.72	2.22		88.9
WHU18-3638-0 36	36.0	0.36	4.3	1.07	1.12	1.15	1.18	1.22	1.30		0.45	0.63	0.93	1.16	1.76	2.28		91.4
WHU18-3638-0 39	39.0	0.39	4.5	1.07	1.12	1.15	1.18	1.22	1.30		0.48	0.68	0.99	1.25	1.89	2.45		99.1
WHU18-3638-0 42	42.0	0.42	4.7	1.07	1.12	1.15	1.18	1.22	1.30		0.51	0.72	1.06	1.33	2.03	2.62		107
WHU18-3638-0 45	45.4	0.45	4.9	1.07	1.12	1.15	1.18	1.22	1.30		0.54	0.77	1.13	1.43	2.17	2.82		115
WHU18-3638-0 48	48.0	0.48	5.0	1.07	1.12	1.15	1.18	1.22	1.30		0.57	0.81	1.19	1.50	2.29	2.97		122
WHU18-3638-0 54	54.0	0.54	5.4	1.07	1.12	1.15	1.18	1.22	1.30		0.63	0.90	1.33	1.67	2.55	3.31		137
WHU18-3638-0 59	59.0	0.59	5.7	1.07	1.12	1.15	1.18	1.22	1.30		0.68	0.98	1.44	1.82	2.77	3.59		150
WHU18-3638-0 60	60.0	0.60	5.7	1.07	1.12	1.15	1.18	1.22	1.30		0.69	0.99	1.46	1.84	2.82	3.65		152
WHU18-3638-0 72	72.0	0.72	6.4	1.07	1.12	1.15	1.18	1.22	1.30		0.81	1.17	1.73	2.19	3.34	4.33		183
WHU18-3638-0 84	84.0	0.84	7.1	1.07	1.12	1.15	1.18	1.22	1.30		0.93	1.35	2.00	2.53	3.87	5.02		213
WHU18-3638-0 96	96.0	0.96	7.8	1.07	1.12	1.15	1.18	1.22	1.30		1.06	1.53	2.27	2.87	4.39	5.70		244
WHU18-3638- 108	108.0	1.08	8.5	1.07	1.12	1.15	1.18	1.22	1.30		1.18	1.71	2.54	3.21	4.92	6.39		274
WHU18-3638- 120	120.0	1.20	9.2	1.07	1.12	1.15	1.18	1.22	1.30		1.30	1.89	2.80	3.55	5.45	7.07		305
WHU18-3638- 144	144.0	1.44	10.5	1.07	1.12	1.15	1.18	1.22	1.30		1.55	2.25	3.34	4.24	6.50	8.44		366
WHU18-3638- 180	180.0	1.80	12.6	1.07	1.12	1.15	1.18	1.22	1.30		1.91	2.79	4.15	5.26	8.08	10.49		457
WHU18-3638- 240	240.0	2.40	16.0	1.07	1.12	1.15	1.18	1.22	1.30		2.52	3.69	5.49	6.97	10.71	13.92		610
WHU18-3638- 300	300.0	3.00	19.5	1.07	1.12	1.15	1.18	1.22	1.30		3.13	4.59	6.83	8.68	13.34	17.34		762
WHU18-3638- 360	360.0	3.60	22.9	1.07	1.12	1.15	1.18	1.22	1.30		3.74	5.49	8.17	10.39	15.97	20.76		914
WHU18-3638- 432	432.0	4.32	27.0	1.07	1.12	1.15	1.18	1.22	1.30		4.48	6.56	9.78	12.45	19.13	24.87		1097
WHU18-3638- 480	480.0	4.80	29.8	1.07	1.12	1.15	1.18	1.22	1.30		4.96	7.28	10.86	13.82	21.23	27.61		1219
WHU18-3638- 600	600.0	6.00	36.7	1.07	1.12	1.15	1.18	1.22	1.30		6.19	9.08	13.54	17.24	26.50	34.45		1524
WHU18-3638- 720	720.0	7.20	43.6	1.07	1.12	1.15	1.18	1.22	1.30		7.41	10.88	16.22	20.66	31.76	41.30		1829

MAXIMUM SPECIFICATIONS ARE PRODUCT MAXIMUM INCLUDING 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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