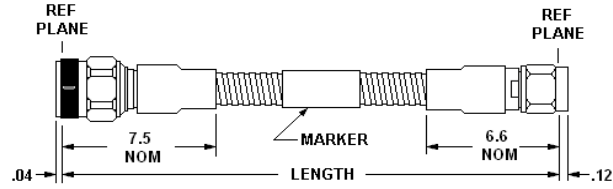


ELECTRICAL SPECIFICATIONS	
IMPEDANCE, NOMINAL:	50 OHMS
CAPACITANCE NOMINAL:	29.4 pf/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7 %
RELATIVE SHIELDING:	-100.0 dB MIN.
INSULATION RESISTANCE:	1000 MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1500 VRMS MIN.
ELECTRICAL DELAY, NOMINAL:	1.44 ns/FOOT
ELECTRICAL 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 18
MAX. CW WATTS ----->	213 145 97 76 49 38
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 0.03 0.05
CABLE FORMED AND STRAIGHTENED 90 DEGREES ON A 4" RADIUS	



MECHANICAL SPECIFICATIONS:	
CABLE MAX. DIAMETER:	0.315 INCHES
MIN. ONE TIME BEND RADIUS:	1.58 INCHES
PREFERRED BEND RADIUS:	6.30 INCHES
CONNECTOR RETENTION:	100 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:	ARMOR, 1500 PSI CRUSH	STAINLESS STEEL
MARKER:	MIL-I-23053/5	WHITE
BOOTS:	MIL-I-23053/4	BLACK
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, 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
SMA GASKET:	ZZ-R-765, SILICON RUBBER	RED
THE TYPE N CONNECTOR DOES NOT HAVE A WEATHER SEALING GASKET. A USER INSTALLED TYPE N GASKET IS AVAILABLE. ORDER GASKET, PART NUMBER 5-1368-100-17 OR ADD A "G" TO THE PART NUMBER		
SOLVENTS: NO OZONE DEPLETING MATERIALS ARE USED		

ITEM INFORMATION PART NUMBER	MECHANICAL CHARACTERISTICS LENGTH INCHES + - LENGTH OUNCES WEIGHT			S11 AND S22 CHARACTERISTICS MAXIMUM VSWR :1 AT FREQUENCY (IN GHZ.)								S12 AND S21 CHARACTERISTICS MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHZ.)						NOM DELAY nS	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			
				UP TO 1	1 TO 2	1 TO 2	1 TO 2	1 TO 2	1 TO 2	1 TO 2	1 TO 2	1 TO 2	1 TO 2	1 TO 2	1 TO 2	1 TO 2			
WHA18-1836-0 18	18.0	0.20	5.8	1.07	1.12	1.15	1.18	1.22	1.30	0.28	0.39	0.56	0.70	1.04	1.34	2.16	45.7		
WHA18-1836-0 24	24.0	0.24	6.6	1.07	1.12	1.15	1.18	1.22	1.30	0.34	0.48	0.70	0.87	1.31	1.68	2.88	61.0		
WHA18-1836-0 25	25.0	0.25	6.7	1.07	1.12	1.15	1.18	1.22	1.30	0.35	0.50	0.72	0.90	1.35	1.74	3.00	63.5		
WHA18-1836-0 26	26.0	0.26	6.8	1.07	1.12	1.15	1.18	1.22	1.30	0.36	0.51	0.74	0.92	1.39	1.80	3.11	66.0		
WHA18-1836-0 27	27.0	0.27	6.9	1.07	1.12	1.15	1.18	1.22	1.30	0.37	0.53	0.76	0.95	1.44	1.86	3.24	68.6		
WHA18-1836-0 28	28.0	0.28	7.1	1.07	1.12	1.15	1.18	1.22	1.30	0.38	0.54	0.79	0.98	1.48	1.91	3.35	71.1		
WHA18-1836-0 29	29.0	0.29	7.2	1.07	1.12	1.15	1.18	1.22	1.30	0.40	0.56	0.81	1.01	1.52	1.97	3.48	73.7		
WHA18-1836-0 30	30.0	0.30	7.3	1.07	1.12	1.15	1.18	1.22	1.30	0.41	0.57	0.83	1.04	1.57	2.03	3.60	76.2		
WHA18-1836-0 31	31.0	0.31	7.5	1.07	1.12	1.15	1.18	1.22	1.30	0.42	0.59	0.85	1.07	1.61	2.08	3.71	78.7		
WHA18-1836-0 32	32.0	0.32	7.6	1.07	1.12	1.15	1.18	1.22	1.30	0.43	0.60	0.88	1.09	1.66	2.14	3.84	81.3		
WHA18-1836-0 33	33.0	0.33	7.7	1.07	1.12	1.15	1.18	1.22	1.30	0.44	0.62	0.90	1.12	1.70	2.20	3.95	83.8		
WHA18-1836-0 34	34.0	0.34	7.9	1.07	1.12	1.15	1.18	1.22	1.30	0.45	0.63	0.92	1.15	1.74	2.25	4.08	86.4		
WHA18-1836-0 35	35.0	0.35	8.0	1.07	1.12	1.15	1.18	1.22	1.30	0.46	0.65	0.94	1.18	1.79	2.31	4.19	88.9		
WHA18-1836-0 36	36.0	0.36	8.1	1.07	1.12	1.15	1.18	1.22	1.30	0.47	0.66	0.97	1.21	1.83	2.37	4.31	91.4		
WHA18-1836-0 37	37.0	0.37	8.3	1.07	1.12	1.15	1.18	1.22	1.30	0.48	0.67	0.99	1.24	1.88	2.43	4.43	94.0		
WHA18-1836-0 38	38.0	0.38	8.4	1.07	1.12	1.15	1.18	1.22	1.30	0.49	0.69	1.01	1.27	1.92	2.48	4.55	96.5		
WHA18-1836-0 39	39.0	0.39	8.5	1.07	1.12	1.15	1.18	1.22	1.30	0.50	0.70	1.03	1.29	1.96	2.54	4.68	99.1		
WHA18-1836-0 40	40.0	0.40	8.7	1.07	1.12	1.15	1.18	1.22	1.30	0.51	0.72	1.05	1.32	2.01	2.60	4.79	101.6		
WHA18-1836-0 41	41.0	0.41	8.8	1.07	1.12	1.15	1.18	1.22	1.30	0.52	0.73	1.08	1.35	2.05	2.65	4.91	104.1		
WHA18-1836-0 42	42.0	0.42	8.9	1.07	1.12	1.15	1.18	1.22	1.30	0.53	0.75	1.10	1.38	2.10	2.71	5.03	106.7		
WHA18-1836-0 43	43.0	0.43	9.1	1.07	1.12	1.15	1.18	1.22	1.30	0.54	0.76	1.12	1.41	2.14	2.77	5.15	109.2		
WHA18-1836-0 44	44.0	0.44	9.2	1.07	1.12	1.15	1.18	1.22	1.30	0.55	0.78	1.14	1.44	2.18	2.83	5.27	111.8		
WHA18-1836-0 45	45.0	0.45	9.3	1.07	1.12	1.15	1.18	1.22	1.30	0.56	0.79	1.17	1.47	2.23	2.88	5.39	114.3		
WHA18-1836-0 46	46.0	0.46	9.5	1.07	1.12	1.15	1.18	1.22	1.30	0.57	0.81	1.19	1.49	2.27	2.94	5.51	116.8		
WHA18-1836-0 47	47.0	0.47	9.6	1.07	1.12	1.15	1.18	1.22	1.30	0.58	0.82	1.21	1.52	2.31	3.00	5.63	119.4		
WHA18-1836-0 48	48.0	0.48	9.7	1.07	1.12	1.15	1.18	1.22	1.30	0.59	0.84	1.23	1.55	2.36	3.05	5.75	121.9		
WHA18-1836-0 51	51.0	0.51	10.1	1.07	1.12	1.15	1.18	1.22	1.30	0.62	0.88	1.30	1.64	2.49	3.23	6.11	129.5		
WHA18-1836-0 54	54.0	0.54	10.5	1.07	1.12	1.15	1.18	1.22	1.30	0.65	0.93	1.37	1.72	2.62	3.40	6.47	137.2		
WHA18-1836-0 57	57.0	0.57	10.9	1.07	1.12	1.15	1.18	1.22	1.30	0.68	0.97	1.43	1.81	2.75	3.57	6.83	144.8		
WHA18-1836-0 60	60.0	0.60	11.3	1.07	1.12	1.15	1.18	1.22	1.30	0.71	1.02	1.50	1.89	2.88	3.74	7.19	152.4		
WHA18-1836-0 63	63.0	0.63	11.7	1.07	1.12	1.15	1.18	1.22	1.30	0.74	1.06	1.57	1.98	3.02	3.91	7.55	160.0		
WHA18-1836-0 66	66.0	0.66	12.1	1.07	1.12	1.15	1.18	1.22	1.30	0.77	1.11	1.64	2.06	3.15	4.08	7.91	167.6		
WHA18-1836-0 69	69.0	0.69	12.5	1.07	1.12	1.15	1.18	1.22	1.30	0.80	1.15	1.70	2.15	3.28	4.25	8.27	175.3		
WHA18-1836-0 72	72.0	0.72	12.9	1.07	1.12	1.15	1.18	1.22	1.30	0.83	1.20	1.77	2.23	3.41	4.43	8.63	182.9		
WHA18-1836-0 79	79.0	0.79	13.8	1.07	1.12	1.15	1.18	1.22	1.30	0.90	1.30	1.93	2.43	3.72	4.83	9.47	200.7		
WHA18-1836-0 84	84.0	0.84	14.5	1.07	1.12	1.15	1.18	1.22	1.30	0.95	1.38	2.04	2.58	3.94	5.11	10.07	213.4		
WHA18-1836-0 90	90.0	0.90	15.3	1.07	1.12	1.15	1.18	1.22	1.30	1.02	1.47	2.17	2.75	4.20	5.45	10.79	228.6		
WHA18-1836-0 96	96.0	0.96	16.1	1.07	1.12	1.15	1.18	1.22	1.30	1.08	1.56	2.31	2.92	4.46	5.80	11.50	243.8		
WHA18-1836-0 99	99.0	0.99	16.5	1.07	1.12	1.15	1.18	1.22	1.30	1.11	1.60	2.37	3.00	4.59	5.97	11.87	251.5		
WHA18-1836-102	102.0	1.02	16.9	1.07	1.12	1.15	1.18	1.22	1.30	1.14	1.65	2.44	3.09	4.73	6.14	12.22	259.1		
WHA18-1836-105	105.0	1.05	17.3	1.07	1.12	1.15	1.18	1.22	1.30	1.17	1.69	2.51	3.18	4.86	6.31	12.58	266.7		
WHA18-1836-108	108.0	1.08	17.7	1.07	1.12	1.15	1.18	1.22	1.30	1.20	1.74	2.58	3.26	4.99	6.48	12.94	274.3		
WHA18-1836-118	118.0	1.18	19.0	1.07	1.12	1.15	1.18	1.22	1.30	1.30	1.89	2.80	3.55	5.43	7.05	14.14	299.7		
WHA18-1836-120	120.0	1.20	19.3	1.07	1.12	1.15	1.18	1.22	1.30	1.32	1.92	2.84	3.60	5.52	7.17	14.38	304.8		
WHA18-1836-126	126.0	1.26	20.0	1.07	1.12	1.15	1.18	1.22	1.30	1.38	2.01	2.98	3.77	5.78	7.51	15.10	320.0		
WHA18-1836-132	132.0	1.32	20.8	1.07	1.12	1.15	1.18	1.22	1.30	1.44	2.10	3.11	3.94	6.04	7.85	15.82	335.3		
WHA18-1836-138	138.0	1.38	21.6	1.07	1.12	1.15	1.18	1.22	1.30	1.50	2.19	3.25	4.12	6.31	8.20	16.54	350.5		
WHA18-1836-144	144.0	1.44	22.4	1.07	1.12	1.15	1.18	1.22	1.30	1.57	2.28	3.38	4.29	6.57	8.54	17.26	365.8		
WHA18-1836-156	156.0	1.56	24.0	1.10	1.15	1.20	1.25	1.30	1.35	1.69	2.46	3.65	4.63	7.09	9.23	18.69	396.2		
WHA18-1836-168	168.0	1.68	25.6	1.10	1.15	1.20	1.25	1.30	1.35	1.81	2.64	3.92	4.97	7.62	9.91	20.13	426.7		
WHA18-1836-180	180.0	1.80	27.2	1.10	1.15	1.20	1.25	1.30	1.35	1.93	2.82	4.19	5.31	8.15	10.60	21.57	457.2		
WHA18-1836-192	192.0	1.92	28.8	1.10	1.15	1.20	1.25	1.30	1.35	2.05	3.00	4.45	5.66	8.67	11.28	23.01	487.7		
WHA18-1836-276	276.0	2.76	39.9	1.10	1.15	1.20	1.25	1.30	1.35	2.91	4.26	6.33	8.05	12.36	16.08	33.07	701.0		

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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