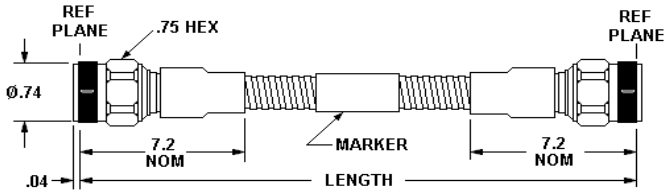
ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHIELDING:				-100.0	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY, 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 9O DEGREES ON A 4" RADIUS						



MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.320	INCHES
MIN. ONE TIME BEND RADIUS:	1.60	INCHES
PREFERRED BEND RADIUS:	6.40	INCHES
CONNECTOR RETENTION:	100	POUNDS MIN.
TEMPERATURE RANGE:	-55 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
TYPE N CONNECTOR INTERFACE:	MIL-STD-348	(SOLID OUTER COND.)

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	ARMOR, 1500 PSI CRUSH	STAINLESS STEEL
MARKER:	MIL-I-23053/5	GREEN
BOOTS:	MIL-I-23053/4	BLACK
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, PTFE	NONE
TYPE N BODY:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
TYPE N NUT:	ASTM-A-582, 303 STAINLESS STEEL	QQ-P-35 PASSIVATED
AVAILABLE GASKET:	ZZ-R-765, SILICON RUBBER	RED
THIS 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.		
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

ITEM INFORMATION	MECHANICAL CHARACTERISTICS				S11 AND S22 CHARACTERISTICS						S12 AND S21 CHARACTERISTICS							
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	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		
WHA18-1818-0 18		18.0	0.20	6.3	1.07	1.12	1.15	1.18	1.22	1.30	0.26	0.37	0.54	0.68	1.01	1.32	2.16	45.7
WHA18-1818-0 24	D	24.0	0.24	7.1	1.07	1.12	1.15	1.18	1.22	1.30	0.32	0.46	0.68	0.85	1.28	1.66	2.88	61.0
WHA18-1818-0 25		25.0	0.25	7.2	1.07	1.12	1.15	1.18	1.22	1.30	0.33	0.48	0.70	0.88	1.32	1.72	3.00	63.5
WHA18-1818-0 26		26.0	0.26	7.3	1.07	1.12	1.15	1.18	1.22	1.30	0.34	0.49	0.72	0.90	1.36	1.78	3.11	66.0
WHA18-1818-0 27		27.0	0.27	7.4	1.07	1.12	1.15	1.18	1.22	1.30	0.35	0.51	0.74	0.93	1.41	1.84	3.24	68.6
WHA18-1818-0 28		28.0	0.28	7.6	1.07	1.12	1.15	1.18	1.22	1.30	0.36	0.52	0.77	0.96	1.45	1.89	3.35	71.1
WHA18-1818-0 29		29.0	0.29	7.7	1.07	1.12	1.15	1.18	1.22	1.30	0.38	0.54	0.79	0.99	1.49	1.95	3.48	73.7
WHA18-1818-0 30		30.0	0.30	7.8	1.07	1.12	1.15	1.18	1.22	1.30	0.39	0.55	0.81	1.02	1.54	2.01	3.60	76.2
WHA18-1818-0 31		31.0	0.31	8.0	1.07	1.12	1.15	1.18	1.22	1.30	0.40	0.57	0.83	1.05	1.58	2.06	3.71	78.7
WHA18-1818-0 32		32.0	0.32	8.1	1.07	1.12	1.15	1.18	1.22	1.30	0.41	0.58	0.86	1.07	1.63	2.12	3.84	81.3
WHA18-1818-0 33		33.0	0.33	8.2	1.07	1.12	1.15	1.18	1.22	1.30	0.42	0.60	0.88	1.10	1.67	2.18	3.95	83.8
WHA18-1818-0 34		34.0	0.34	8.4	1.07	1.12	1.15	1.18	1.22	1.30	0.43	0.61	0.90	1.13	1.71	2.23	4.08	86.4
WHA18-1818-0 35		35.0	0.35	8.5	1.07	1.12	1.15	1.18	1.22	1.30	0.44	0.63	0.92	1.16	1.76	2.29	4.19	88.9
WHA18-1818-0 36	D	36.0	0.36	8.6	1.07	1.12	1.15	1.18	1.22	1.30	0.45	0.64	0.95	1.19	1.80	2.35	4.31	91.4
WHA18-1818-0 37		37.0	0.37	8.8	1.07	1.12	1.15	1.18	1.22	1.30	0.46	0.65	0.97	1.22	1.85	2.41	4.43	94.0
WHA18-1818-0 38		38.0	0.38	8.9	1.07	1.12	1.15	1.18	1.22	1.30	0.47	0.67	0.99	1.25	1.89	2.46	4.55	96.5
WHA18-1818-0 39	D	39.0	0.39	9.0	1.07	1.12	1.15	1.18	1.22	1.30	0.48	0.68	1.01	1.27	1.93	2.52	4.68	99.1
WHA18-1818-0 40		40.0	0.40	9.2	1.07	1.12	1.15	1.18	1.22	1.30	0.49	0.70	1.03	1.30	1.98	2.58	4.79	101.6
WHA18-1818-0 41		41.0	0.41	9.3	1.07	1.12	1.15	1.18	1.22	1.30	0.50	0.71	1.06	1.33	2.02	2.63	4.91	104.1
WHA18-1818-0 42		42.0	0.42	9.4	1.07	1.12	1.15	1.18	1.22	1.30	0.51	0.73	1.08	1.36	2.07	2.69	5.03	106.7
WHA18-1818-0 43		43.0	0.43	9.6	1.07	1.12	1.15	1.18	1.22	1.30	0.52	0.74	1.10	1.39	2.11	2.75	5.15	109.2
WHA18-1818-0 44		44.0	0.44	9.7	1.07	1.12	1.15	1.18	1.22	1.30	0.53	0.76	1.12	1.42	2.15	2.81	5.27	111.8
WHA18-1818-0 45		45.0	0.45	9.8	1.07	1.12	1.15	1.18	1.22	1.30	0.54	0.77	1.15	1.45	2.20	2.86	5.39	114.3
WHA18-1818-0 46		46.0	0.46	10.0	1.07	1.12	1.15	1.18	1.22	1.30	0.55	0.79	1.17	1.47	2.24	2.92	5.51	116.8
WHA18-1818-0 47		47.0	0.47	10.1	1.07	1.12	1.15	1.18	1.22	1.30	0.56	0.80	1.19	1.50	2.28	2.98	5.63	119.4
WHA18-1818-0 48	D	48.0	0.48	10.2	1.07	1.12	1.15	1.18	1.22	1.30	0.57	0.82	1.21	1.53	2.33	3.03	5.75	121.9
WHA18-1818-0 51		51.0	0.51	10.6	1.07	1.12	1.15	1.18	1.22	1.30	0.60	0.86	1.28	1.62	2.46	3.21	6.11	129.5
WHA18-1818-0 54		54.0	0.54	11.0	1.07	1.12	1.15	1.18	1.22	1.30	0.63	0.91	1.35	1.70	2.59	3.38	6.47	137.2
WHA18-1818-0 57		57.0	0.57	11.4	1.07	1.12	1.15	1.18	1.22	1.30	0.66	0.95	1.41	1.79	2.72	3.55	6.83	144.8
WHA18-1818-0 60	D	60.0	0.60	11.8	1.07	1.12	1.15	1.18	1.22	1.30	0.69	1.00	1.48	1.87	2.85	3.72	7.19	152.4
WHA18-1818-0 63		63.0	0.63	12.2	1.07	1.12	1.15	1.18	1.22	1.30	0.72	1.04	1.55	1.96	2.99	3.89	7.55	160.0
WHA18-1818-0 66		66.0	0.66	12.6	1.07	1.12	1.15	1.18	1.22	1.30	0.75	1.09	1.62	2.04	3.12	4.06	7.91	167.6
WHA18-1818-0 69		69.0	0.69	13.0	1.07	1.12	1.15	1.18	1.22	1.30	0.78	1.13	1.68	2.13	3.25	4.23	8.27	175.3
WHA18-1818-0 72		72.0	0.72	13.4	1.07	1.12	1.15	1.18	1.22	1.30	0.81	1.18	1.75	2.21	3.38	4.41	8.63	182.9
WHA18-1818-0 78		78.0	0.78	14.2	1.07	1.12	1.15	1.18	1.22	1.30	0.87	1.27	1.88	2.39	3.64	4.75	9.35	198.1
WHA18-1818-0 79		79.0	0.79	14.3	1.07	1.12	1.15	1.18	1.22	1.30	0.88	1.28	1.91	2.41	3.69	4.81	9.47	200.7
WHA18-1818-0 84		84.0	0.84	15.0	1.07	1.12	1.15	1.18	1.22	1.30	0.93	1.36	2.02	2.56	3.91	5.09	10.07	213.4
WHA18-1818-0 90		90.0	0.90	15.8	1.07	1.12	1.15	1.18	1.22	1.30	1.00	1.45	2.15	2.73	4.17	5.43	10.79	228.6
WHA18-1818-0 96		96.0	0.96	16.6	1.07	1.12	1.15	1.18	1.22	1.30	1.06	1.54	2.29	2.90	4.43	5.78	11.50	243.8
WHA18-1818-0 99		99.0	0.99	17.0	1.07	1.12	1.15	1.18	1.22	1.30	1.09	1.58	2.35	2.98	4.56	5.95	11.87	251.5
WHA18-1818- 102		102.0	1.02	17.4	1.07	1.12	1.15	1.18	1.22	1.30	1.12	1.63	2.42	3.07	4.70	6.12	12.22	259.1
WHA18-1818- 105		105.0	1.05	17.8	1.07	1.12	1.15	1.18	1.22	1.30	1.15	1.67	2.49	3.16	4.83	6.29	12.58	266.7
WHA18-1818- 108		108.0	1.08	18.2	1.07	1.12	1.15	1.18	1.22	1.30	1.18	1.72	2.56	3.24	4.96	6.46	12.94	274.3
WHA18-1818- 118		118.0	1.18	19.5	1.07	1.12	1.15	1.18	1.22	1.30	1.28	1.87	2.78	3.53	5.40	7.03	14.14	299.7
WHA18-1818- 120		120.0	1.20	19.8	1.07	1.12	1.15	1.18	1.22	1.30	1.30	1.90	2.82	3.58	5.49	7.15	14.38	304.8
WHA18-1818- 126		126.0	1.26	20.5	1.07	1.12	1.15	1.18	1.22	1.30	1.36	1.99	2.96	3.75	5.75	7.49	15.10	320.0
WHA18-1818- 132		132.0	1.32	21.3	1.07	1.12	1.15	1.18	1.22	1.30	1.42	2.08	3.09	3.92	6.01	7.83	15.82	335.3
WHA18-1818- 138		138.0	1.38	22.1	1.07	1.12	1.15	1.18	1.22	1.30	1.48	2.17	3.23	4.10	6.28	8.18	16.54	350.5
WHA18-1818- 144		144.0	1.44	22.9	1.07	1.12	1.15	1.18	1.22	1.30	1.55	2.26	3.36	4.27	6.54	8.52	17.26	365.8
WHA18-1818- 156		156.0	1.56	24.5	1.10	1.15	1.20	1.25	1.30	1.35	1.67	2.44	3.63	4.61	7.06	9.21	18.69	396.2
WHA18-1818- 168		168.0	1.68	26.1	1.10	1.15	1.20	1.25	1.30	1.35	1.79	2.62	3.90	4.95	7.59	9.89	20.13	426.7
WHA18-1818- 180		180.0	1.80	27.7	1.10	1.15	1.20	1.25	1.30	1.35	1.91	2.80	4.17	5.29	8.12	10.58	21.57	457.2
WHA18-1818- 200		200.0	2.00	30.3	1.10	1.15	1.20	1.25	1.30	1.35	2.12	3.10	4.61	5.86	8.99	11.72	23.97	508.0
WHA18-1818- 240		240.0	2.40	35.6	1.10	1.15	1.20	1.25	1.30	1.35	2.52	3.70	5.51	7.00	10.75	14.00	28.76	609.6
WHA18-1818- 300		300.0	3.00	43.6	1.10	1.15	1.20	1.25	1.30	1.35	3.13	4.59	6.85	8.71	13.38	17.43	35.95	762.0
WHA18-1818- 360		360.0	3.60	51.5	1.10	1.15	1.20	1.25	1.30	1.35	3.74	5.49	8.19	10.42	16.01	20.86	43.14	914.4
WHA18-1818- 394		394.0	3.94	56.0	1.10	1.15	1.20	1.25	1.30	1.35	4.09	6.00	8.95	11.39	17.50	22.80	47.22	1000.8
WHA18-1818- 600		600.0	6.00	83.3	1.10	1.15	1.20	1.25	1.30	1.35	6.19	9.09	13.56	17.26	26.54	34.57	71.90	1524.0

D = DISTRIBUTOR ITEM 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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