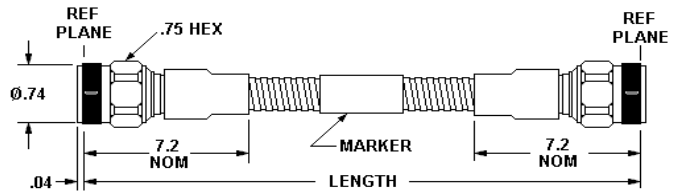


ELECTRICAL SPECIFICATIONS	
IMPEDANCE, NOMINAL:	50 OHMS
CAPACITANCE NOMINAL:	29.4 pF/FOOT
VELOCITY OF PROPAGATION, NOMINAL:	70.7 %
RELATIVE SHIELDING:	-100.0 dB MIN.
INSULATION RESISTANCE:	1000 MEGOHMS MIN.
DIELECTRIC WITHSTANDING VOLTAGE:	1500 VRMS MIN.
ELECTRICAL DELAY, NOMINAL:	1.44 ns/FOOT
ELECTRICAL 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:	0.320 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	WHITE
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 PART NUMBER	MECHANICAL CHARACTERISTICS			S11 AND S22 CHARACTERISTICS							S12 AND S21 CHARACTERISTICS							LENGTH CM			
				LENGTH INCHES	+ LENGTH	WEIGHT OUNCES	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz)							MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz)							
							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	NOM DELAY ns	
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- 39																					