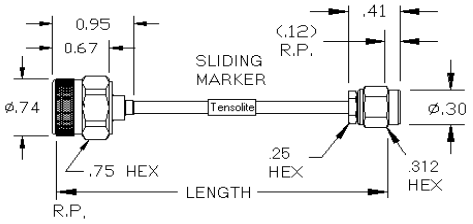
ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				29.4	pf/FOOT	
VELOCITY OF PROPAGATION, NOMINAL:				70.7	%	
RELATIVE SHEILDING:				-100	dB MIN.	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1500	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
MAX. PULSE RF POWER:				1250	WATTS	
(INTO A 50 OHM SYSTEM, WITH DUTY CYCLE LESS THAN CW RATING)						
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	200	136	91	71	46	36
PHASE STABILITY DEG	0.2	0.3	0.7	1	2	3
LOSS STABILITY dB	0.01	0.01	0.01	0.02	0.03	0.05
CABLE FORMED 90 DEGREES ON A .40 INCH RADIUS						



MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.145	INCHES
MIN. BEND RADIUS:	0.19	INCHES
PREFERRED BEND RADIUS:	0.50	INCHES
CONNECTOR RETENTION:	50	POUNDS MIN.
TEMPERATURE RANGE:	-65 to +105	DEGREES C
MATING TORQUE:	7-10	INCH POUNDS
CONNECTOR INTERFACES:	MIL-STD-348	N WITH SOLID OUTER

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	HIGH STRENGTH WIRE BRAID	TIN FILLED
MARKER:	MIL-I-23053/5	GRAY
SOLDER:	QQ-S-571	NONE
FLUX:	MIL-F-14256, RMA	NONE
CONTACTS:	ASTM-B-196, BeCu	MIL-G-45204 GOLD PLATED
INSULATORS:	ASTM-D-1710, 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
TYPE N BODY:	ASTM-B-36, BRASS	QQ-S-365 SILVER PLATED
TYPE N NUT:	ASTM-B-36, BRASS	QQ-N-290 NICKEL PLATED
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	+ -	WEIGHT	MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						NOM	LENGTH
		INCHES	LENGTH	OUNCES	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	DELAY nS	CM
1-1836-601- 5204	D	4.0	0.05	1.3	1.10	1.15	1.20	1.25	1.30	1.35	0.12	0.16	0.24	0.28	0.41	0.54	0.48	10.2
1-1836-601- 5205	D	5.0	0.05	1.3	1.10	1.15	1.20	1.25	1.30	1.35	0.13	0.18	0.26	0.31	0.46	0.60	0.60	12.7
1-1836-601- 5206	D	6.0	0.05	1.4	1.10	1.15	1.20	1.25	1.30	1.35	0.15	0.20	0.28	0.34	0.50	0.66	0.72	15.2
1-1836-601- 5207	D	7.0	0.10	1.4	1.10	1.15	1.20	1.25	1.30	1.35	0.16	0.21	0.31	0.38	0.55	0.72	0.84	17.8
1-1836-601- 5208	D	8.0	0.10	1.4	1.10	1.15	1.20	1.25	1.30	1.35	0.17	0.23	0.33	0.41	0.60	0.78	0.96	20.3
1-1836-601- 5209		9.0	0.10	1.5	1.10	1.15	1.20	1.25	1.30	1.35	0.18	0.24	0.35	0.44	0.64	0.84	1.08	22.9
1-1836-601- 5210		10.0	0.10	1.5	1.10	1.15	1.20	1.25	1.30	1.35	0.19	0.26	0.38	0.47	0.69	0.90	1.20	25.4
1-1836-601- 5211		11.0	0.10	1.5	1.10	1.15	1.20	1.25	1.30	1.35	0.20	0.28	0.40	0.50	0.74	0.96	1.32	27.9
1-1836-601- 5212	D	12.0	0.10	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.21	0.29	0.43	0.53	0.78	1.02	1.44	30.5
1-1836-601- 5213		13.0	0.15	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.22	0.31	0.45	0.56	0.83	1.08	1.56	33.0
1-1836-601- 5214		14.0	0.15	1.6	1.10	1.15	1.20	1.25	1.30	1.35	0.23	0.32	0.47	0.59	0.88	1.15	1.68	35.6
1-1836-601- 5215		15.0	0.15	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.24	0.34	0.50	0.62	0.92	1.21	1.80	38.1
1-1836-601- 5216		16.0	0.15	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.25	0.36	0.52	0.65	0.97	1.27	1.92	40.6
1-1836-601- 5217		17.0	0.15	1.7	1.10	1.15	1.20	1.25	1.30	1.35	0.26	0.37	0.55	0.68	1.02	1.33	2.04	43.2
1-1836-601- 5218	D	18.0	0.15	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.28	0.39	0.57	0.71	1.06	1.39	2.16	45.7
1-1836-601- 5219		19.0	0.15	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.29	0.40	0.59	0.74	1.11	1.45	2.28	48.3
1-1836-601- 5220		20.0	0.15	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.30	0.42	0.62	0.77	1.16	1.51	2.40	50.8
1-1836-601- 5221		21.0	0.15	1.8	1.10	1.15	1.20	1.25	1.30	1.35	0.31	0.44	0.64	0.80	1.20	1.57	2.52	53.3
1-1836-601- 5222		22.0	0.15	1.9	1.10	1.15	1.20	1.25	1.30	1.35	0.32	0.45	0.66	0.83	1.25	1.63	2.64	55.9
1-1836-601- 5223		23.0	0.15	1.9	1.10	1.15	1.20	1.25	1.30	1.35	0.33	0.47	0.69	0.86	1.30	1.69	2.76	58.4
1-1836-601- 5224	D	24.0	0.15	1.9	1.10	1.15	1.20	1.25	1.30	1.35	0.34	0.48	0.71	0.89	1.35	1.75	2.88	61.0
1-1836-601- 5225		25.0	0.15	2.0	1.10	1.15	1.20	1.25	1.30	1.35	0.35	0.50	0.74	0.92	1.39	1.82	3.00	63.5
1-1836-601- 5226		26.0	0.15	2.0	1.10	1.15	1.20	1.25	1.30	1.35	0.36	0.52	0.76	0.95	1.44	1.88	3.12	66.0
1-1836-601- 5227		27.0	0.15	2.0	1.10	1.15	1.20	1.25	1.30	1.35	0.37	0.53	0.78	0.98	1.49	1.94	3.24	68.6
1-1836-601- 5228		28.0	0.15	2.1	1.10	1.15	1.20	1.25	1.30	1.35	0.38	0.55	0.81	1.01	1.53	2.00	3.36	71.1
1-1836-601- 5229		29.0	0.15	2.1	1.10	1.15	1.20	1.25	1.30	1.35	0.39	0.56	0.83	1.04	1.58	2.06	3.48	73.7
1-1836-601- 5230		30.0	0.15	2.1	1.10	1.15	1.20	1.25	1.30	1.35	0.41	0.58	0.86	1.07	1.63	2.12	3.60	76.2
1-1836-601- 5231		31.0	0.15	2.2	1.10	1.15	1.20	1.25	1.30	1.35	0.42	0.60	0.88	1.10	1.67	2.18	3.71	78.7
1-1836-601- 5232		32.0	0.15	2.2	1.10	1.15	1.20	1.25	1.30	1.35	0.43	0.61	0.90	1.13	1.72	2.24	3.83	81.3
1-1836-601- 5233		33.0	0.15	2.2	1.10	1.15	1.20	1.25	1.30	1.35	0.44	0.63	0.93	1.16	1.77	2.30	3.95	83.8
1-1836-601- 5234		34.0	0.15	2.3	1.10	1.15	1.20	1.25	1.30	1.35	0.45	0.64	0.95	1.20	1.81	2.36	4.07	86.4
1-1836-601- 5235		35.0	0.15	2.3	1.10	1.15	1.20	1.25	1.30	1.35	0.46	0.66	0.97	1.23	1.86	2.42	4.19	88.9
1-1836-601- 5236		36.0	0.15	2.3	1.15	1.20	1.25	1.30	1.35	1.45	0.47	0.68	1.00	1.26	1.91	2.48	4.31	91.4
1-1836-601- 5237		37.0	0.20	2.4	1.15	1.20	1.25	1.30	1.35	1.45	0.48	0.69	1.02	1.29	1.95	2.55	4.43	94.0
1-1836-601- 5238		38.0	0.20	2.4	1.15	1.20	1.25	1.30	1.35	1.45	0.49	0.71	1.05	1.32	2.00	2.61	4.55	96.5
1-1836-601- 5239		39.0	0.20	2.4	1.15	1.20	1.25	1.30	1.35	1.45	0.50	0.72	1.07	1.35	2.05	2.67	4.67	99.1
1-1836-601- 5240		40.0	0.20	2.5	1.15	1.20	1.25	1.30	1.35	1.45	0.51	0.74	1.09	1.38	2.09	2.73	4.79	101.6
1-1836-601- 5241		41.0	0.20	2.5	1.15	1.20	1.25	1.30	1.35	1.45	0.52	0.76	1.12	1.41	2.14	2.79	4.91	104.1
1-1836-601- 5242		42.0	0.20	2.5	1.15	1.20	1.25	1.30	1.35	1.45	0.54	0.77	1.14	1.44	2.19	2.85	5.03	106.7
1-1836-601- 5243		43.0	0.20	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.55	0.79	1.16	1.47	2.23	2.91	5.15	109.2
1-1836-601- 5244		44.0	0.20	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.56	0.80	1.19	1.50	2.28	2.97	5.27	111.8
1-1836-601- 5245		45.0	0.20	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.57	0.82	1.21	1.53	2.33	3.03	5.39	114.3
1-1836-601- 5246		46.0	0.20	2.6	1.15	1.20	1.25	1.30	1.35	1.45	0.58	0.84	1.24	1.56	2.37	3.09	5.51	116.8
1-1836-601- 5247		47.0	0.20	2.7	1.15	1.20	1.25	1.30	1.35	1.45	0.59	0.85	1.26	1.59	2.42	3.15	5.63	119.4
1-1836-601- 5248		48.0	0.20	2.7	1.15	1.20	1.25	1.30	1.35	1.45	0.60	0.87	1.28	1.62	2.47	3.22	5.75	121.9
1-1836-601- 5254		54.0	0.20	2.9	1.15	1.20	1.25	1.30	1.35	1.45	0.67	0.96	1.43	1.80	2.75	3.58	6.47	137.2
1-1836-601- 5257		57.0	0.20	3.0	1.15	1.20	1.25	1.30	1.35	1.45	0.70	1.01	1.50	1.89	2.89	3.76	6.83	144.8
1-1836-601- 5260		60.0	0.25	3.1	1.15	1.20	1.25	1.30	1.35	1.45	0.73	1.06	1.57	1.99	3.03	3.95	7.19	152.4
1-1836-601- 5264		64.0	0.25	3.2	1.15	1.20	1.25	1.30	1.35	1.45	0.77	1.12	1.67	2.11	3.21	4.19	7.67	162.6
1-1836-601- 5266		66.0	0.25	3.3	1.15	1.20	1.25	1.30	1.35	1.45	0.80	1.15	1.71	2.17	3.31	4.31	7.91	167.6
1-1836-601- 5272		72.0	0.20	3.5	1.15	1.20	1.25	1.30	1.35	1.45	0.86	1.25	1.86	2.35	3.59	4.68	8.63	182.9
1-1836-601- 5280		80.0	0.20	3.7	1.15	1.20	1.25	1.30	1.35	1.45	0.95	1.38	2.05	2.59	3.96	5.16	9.59	203.2
1-1836-601- 5284		84.0	0.50	3.9	1.15	1.20	1.25	1.30	1.35	1.45	0.99	1.44	2.14	2.71	4.15	5.41	10.07	213.4
1-1836-601- 5290		90.0	0.50	4.1	1.15	1.20	1.25	1.30	1.35	1.45	1.06	1.54	2.29	2.90	4.43	5.77	10.79	228.6
1-1836-601- 5299		99.0	0.50	4.3	1.15	1.20	1.25	1.30	1.35	1.45	1.15	1.68	2.50	3.17	4.85	6.32	11.86	251.5
2-1836-601- 5209		108.0	1.00	4.6	1.15	1.20	1.25	1.30	1.35	1.45	1.25	1.82	2.71	3.44	5.27	6.87	12.94	274.3
2-1836-601- 5210		120.0	1.00	5.0	1.15	1.20	1.25	1.30	1.35	1.45	1.38	2.02	3.00	3.81	5.83	7.60	14.38	304.8
2-1836-601- 5212		144.0	1.00	5.8	1.15	1.20	1.25	1.30	1.35	1.45	1.64	2.40	3.57	4.54	6.95	9.06	17.26	365.8
2-1836-601- 5215		180.0	1.00	6.9	1.15	1.20	1.25	1.30	1.35	1.45	2.03	2.97	4.43	5.63	8.64	11.26	21.57	457.2

D = DISTRIBUTOR ITEM 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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