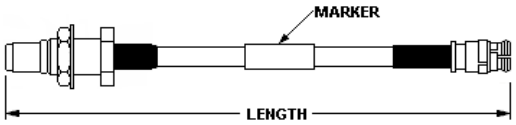
ELECTRICAL SPECIFICATIONS						
IMPEDANCE, NOMINAL:				50	OHMS	
CAPACITANCE NOMINAL:				28.3	pf/FOOT	
RELATIVE SHIELDING: (1 foot assembly)				-90.0	dB MIN.	
VELOCITY OF PROPAGATION, NOMINAL:				71.7	%	
INSULATION RESISTANCE:				1000	MEGOHMS MIN.	
DIELECTRIC WITHSTANDING VOLTAGE:				1000	VRMS MIN.	
ELECTRICAL DELAY:				1.44	ns/FOOT	
ELECTRICAL DELAY:				120	ps/INCH	
F (IN GHz) ---------->	1	2	4	6	12	18
MAX. CW WATTS --->	111	54	37	30	20	16



NOTE: PHASE MATCHED SET OF 2 ASSEMBLIES +/-16.2 DEGREES AT 18 GHZ (+/-2.5 PSEC)

MECHANICAL SPECIFICATIONS:		
CABLE MAX. DIAMETER:	0.108	INCHES
MIN. BEND RADIUS:	0.63	INCHES
PREFERRED BEND RADIUS:	2.10	INCHES
CONNECTOR RETENTION:	30	POUNDS MIN.
TEMPERATURE RANGE:	-50 / +105	DEGREES C
MATING TORQUE:	N/A	INCH POUNDS
CONNECTOR INTERFACE:		

MATERIALS AND FINISHES		
DESCRIPTION	MATERIAL	FINISH OR COLOR
CABLE JACKET:	FEP	BLUE
MARKER:	MIL-I-23053/5	WHITE
BMMA CONTACT:	ASTM B196 BeCu	MIL-G-45204 GOLD PLATED
BMMA INSULATOR:	ASTM D1710 PTFE	NONE
BMMA BODY:	ASTM A 582 303 STAINLESS STEEL	MIL-G-45204 GOLD PLATED
SMP CONTACT:	ASTM B196 BeCu	ASTM B-488 GOLD PLATED
SMP INSULATOR:	ASTM D1710 PTFE	NONE
SMP BODY:	ASTM B196 BeCu	ASTM B-488 GOLD PLATED
SOLVENTS:	NO OZONE DEPLETING MATERIALS ARE USED	

					S11 +S22 CHARACTERISITCS						S21 + S12 CHARACTERISTICS						
					MAXIMUM VSWR :1 AT FREQUENCY (IN GHz.)						MAXIMUM INSERTION LOSS IN dB AT FREQ. (IN GHz.)						
PART NUMBER		LENGTH INCHES	+ - LENGTH	WEIGHT 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	LENGTH CM
1-16G6-794- 1003		5.0	0.05	0.4	1.15	1.18	1.20	1.25	1.30	1.35	0.20	0.31	0.43	0.54	0.75	0.95	12.7

SPECIFICATIONS ARE TYPICAL 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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