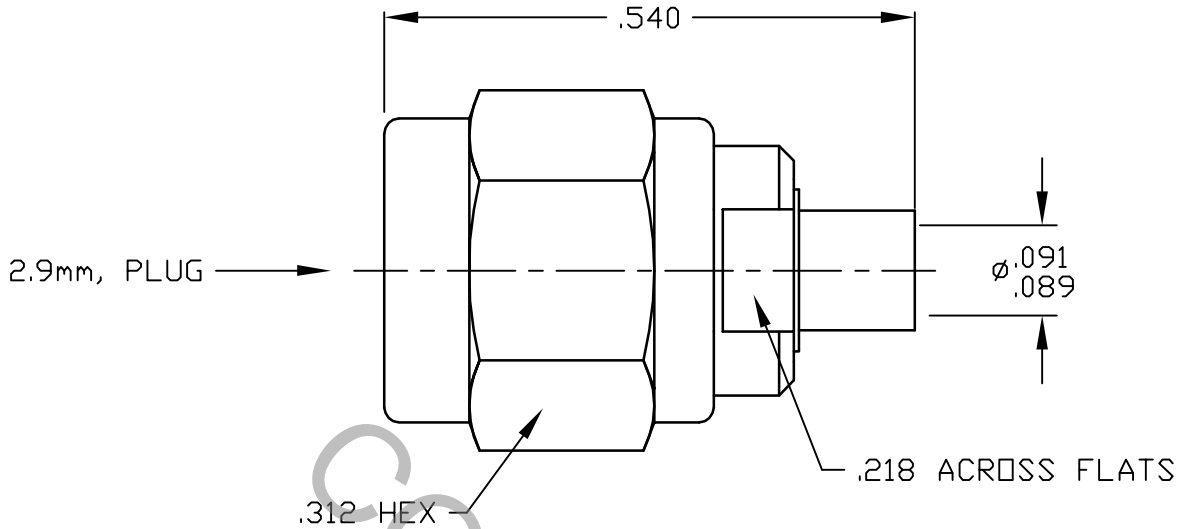


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR 2.9mm, PLUG per MD-94.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 40.0 GHz
VSWR (MAX.) *	1.05 + .01 x FGHz
INSERTION LOSS (dB MAX.)	.03 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-25° c TO + 125° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	750
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 <small>INCORPORATED</small> HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	02-0997	11/21/02	DGG	X ± .030		X° ± 1° 0'	
AB	12-1252	3/30/12	TS	XX ± .010	± 1/64	X° X' ± 15'	
				DRAWN: GE DATE: 11/20/02		TITLE 2.9mm, PLUG, STRAIGHT DIRECT SOLDER ATTACHMENT FOR RG405	
				APP.: DGG DATE: 11/21/02			
				CODE IDENT.			
				2J899	SHEET 1 OF 2	DWG. NO. 9400-8523-6200	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT	
MAX. AXIAL FORCE _____	6.0 LBS.
MAX. RADIAL TORQUE _____	N/A
CENTER CONTACT AXIAL FORCES	
● INSERTION (MAX. OUNCES) _____	INTERFACE 48.0
● WITHDRAWAL (MIN. OUNCES) _____	INTERFACE 2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT(MAX. IN. LBS.) _____	2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____	500
RECOMMENDED MATING TORQUE _____	7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____	MIL-STD-202, METHOD 102, COND. C (-25° c TO +100° c)
SHOCK _____	MIL-STD-202, METHOD 213, COND. I (100 G's)
VIBRATION _____	MIL-STD-202, METHOD 204, COND. D (20 G's)
MOISTURE RESISTANCE _____	MIL-STD-202, METHOD 106, LESS STEP 7b
CORROSION _____	MIL-STD-202, METHOD 101, COND. B (48 HOURS)
BAROMETRIC PRESSURE (ALTITUDE) _____	MIL-STD-202, METHOD 105, COND. C (70,000 FT.) (190 VRMS)

5. MATERIAL

CONNECTOR BODY & COUPLING NUT _____	STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
CONTACT & RETAINING RING _____	BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.
INSULATOR _____	PLASTIC COMPOSITE
SLEEVE _____	BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.
GASKET _____	SILICONE RUBBER PER ZZ-R-765.

6. FINISH

CONNECTOR BODY & COUPLING NUT _____	PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.
CONTACT _____	GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 0.75 (.000030-.000055 THK.) OVER NICKEL PER SAE-AMS-QQ-N-290, CLASS 1 (.000050-.000075 THK.) OVER COPPER PER AMS-2418, (.000010 MIN. THK.).
SLEEVE _____	GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS) (.000010 MIN. THK.)
INSULATOR, GASKET & RETAINING RING _____	N/A