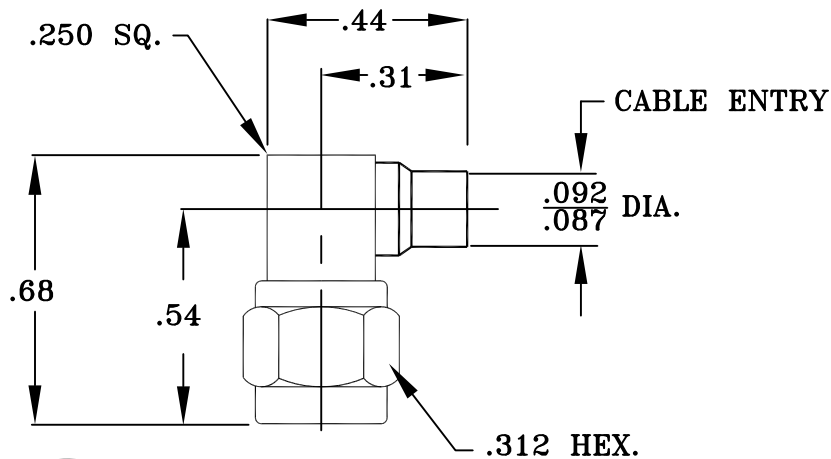


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 FIG 310.1

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 12.4 GHz.
VSWR (MAX.) *	1.35 : 1
INSERTION LOSS (dB MAX.)*	.045 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)	-65° c TO + 165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,000
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			 Haverhill MA. 01835
AA	07-1040	1/11/07	TS	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'	
				DRAWN	TS	DATE	TITLE SMA, PLUG R/A, SOLDER ATTACHMENT .085 DIA. SEMI-RIGID CABLE
				1/11/07			
				APPROVED	DC	DATE	
				1/11/07			
				CODE IDENT.			DWG. NO. 9801-8520-2401
				2J899	SHEET 1 OF 2		

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 4.0 LBS.
- MIN RADIAL TORQUE \_\_\_\_\_ N/A

### CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ N/A
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ N/A

CONNECTOR DURABILITY (MIN. MATING) \_\_\_\_\_ 1,000

RECOMMENDED MATING TORQUE \_\_\_\_\_ 7 - 10 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65 ° c TO + 200 ° 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. ) ( 250 VRMS )

## 5. MATERIAL

BODY ,CONTACT, AND COUPLING NUT \_\_\_\_\_ BRASS PER ASTM B16, TEMPER H02 ALLOY C36000

RETAINING RING \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196/B 196M-03, COPPER ALLOY, UNS-C-17800, TEMPER TD04.

INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B

GASKET \_\_\_\_\_ SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50 OR 60.

## 6. FINISH

BODY, CONTACT, AND COUPLING NUT \_\_\_\_\_ GOLD PER ASTM B488, TYPE 1, CODE C, CLASS 1.25 (.000050 Minimum Thickness) OVER NICKEL per QQ-N-290, CLASS 1 (.000150 Minimum Thickness) OVER COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR, GASKET AND RETAINING RING \_\_\_\_\_ N/A