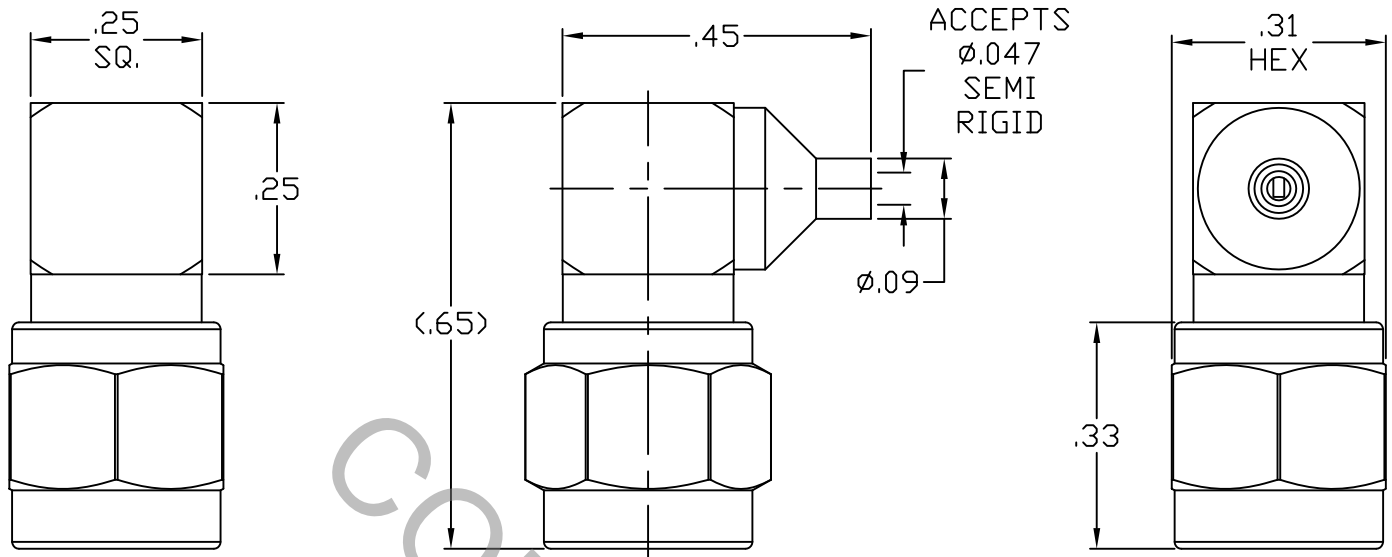


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 310.3 (SMA PLUG).


## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 12.4 GHz
VSWR (MAX) *	_____	1.15 + .010 x FGHz
INSERTION LOSS (dB MAX) *	_____	.10 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	105
RF LEAKAGE (MIN. dB DOWN)	_____	-90 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	325
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

\* TERMINATED IN A 50 OHM LOAD

**RoHS**  
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835	
AA	16-1047	1/15/16	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1° 0' X ° X' ± 15'		
				DRAWN	DC	DATE	1/15/16	TITLE SMA PLUG, RIGHT ANGLE, DIRECT SOLDER TO Ø.047 SEMI-RIGID CABLE
				APPROVED	DC	DATE	1/15/16	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.	9801-4720-2400
				2J899				

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

MIN. AXIAL FORCE \_\_\_\_\_ 2.5 LBS.

MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) \_\_\_\_\_ N/A

● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ N/A

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 100

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

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 107, COND. C ( -65° c TO + 165° 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. ) ( 81 VRMS )

## 5. MATERIAL

BODY, COUPLING NUT, RETAINING RING \_\_\_\_\_ BRASS  
& ACCESS CAP

INSULATOR \_\_\_\_\_ PTFE

GASKET \_\_\_\_\_ SILICONE RUBBER

## 6. FINISH

BODY, COUPLING NUT & ACCESS CAP \_\_\_\_\_ GOLD

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