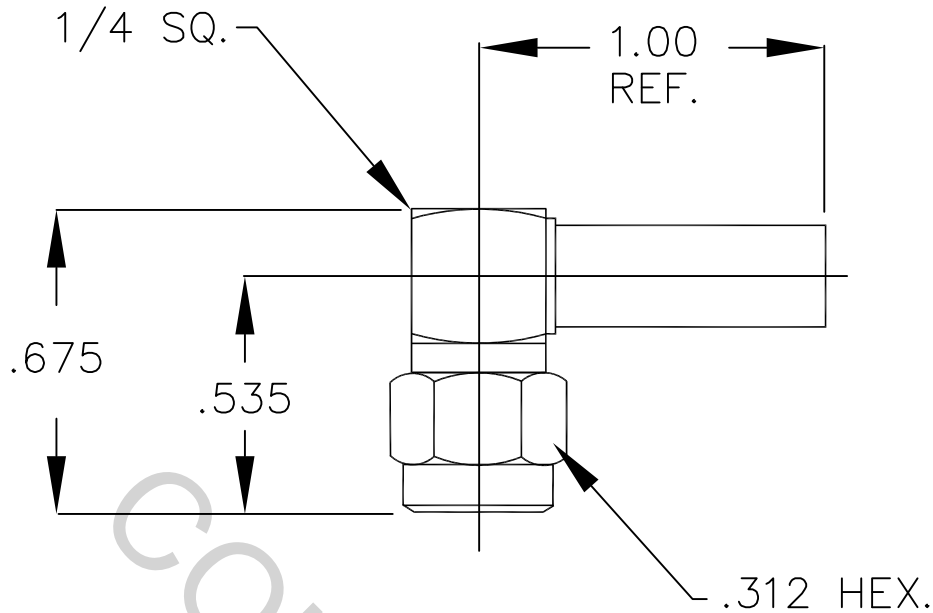


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A Fig. 310-1 (SMA, PLUG)

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 12.4 GHz.
VSWR (MAX.) *	_____	1.04 + .008 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.045 dB x √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

This Document contains proprietary and confidential information.

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 GEORGETOWN MA. 01833
AA	07-1400	4/13/07	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ±/64	ANGULAR X ° ± 1 0' X ° X' ± 15'	
AB	18-1481	5/1/18	DC	SURFACE ROUGHNESS 63 √MIL-STD-10.			TITLE SMA, PLUG RIGHT ANGLE, CRIMP ATTACHMENT FOR RG 58/U, 142, 223, 400
				DRAWN	T.S.	DATE 4/13/07	
				APPROVED	DC	DATE 4/13/07	
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 9801-4230-2300

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 4.0 LBS.
- MIN RADIAL TORQUE \_\_\_\_\_ 4.0 IN. OZS.

### 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 ℓ )

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

BODY, CAP AND COUPLING NUT AND CRIMP SLEEVE \_\_\_\_\_ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000.

CONTACT AND RETAINING RING \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B196/B, 196M-03, COPPER ALLOY No. UNS-C-17300, TEMPER TD04.

INSULATOR \_\_\_\_\_ TEFLON PER D1710-02, TYPE 1, GRADE 1, CLASS B.

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

HEAT SHRINK TUBING \_\_\_\_\_ MIL-DTL-23053/5, CLASS 1.

## 6. FINISH

BODY, CAP AND COUPLING NUT AND CRIMP SLEEVE \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27  
(.000050 Minimum Thickness) OVER NICKEL PER  
QQ-N-290, CLASS 1 (.000050 Minimum Thickness) OVER  
COPPER PER AMS-2418 (.000010 Minimum Thickness).

CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27  
(.000050 Minimum Thickness) OVER NICKEL PER  
QQ-N-290 (.000050 Minimum Thickness) OVER  
COPPER per AMS-2418 (.000010 Minimum Thickness).

INSULATOR, GASKET, RETAINING RING AND  
HEAT SHRINK TUBING \_\_\_\_\_ N/A