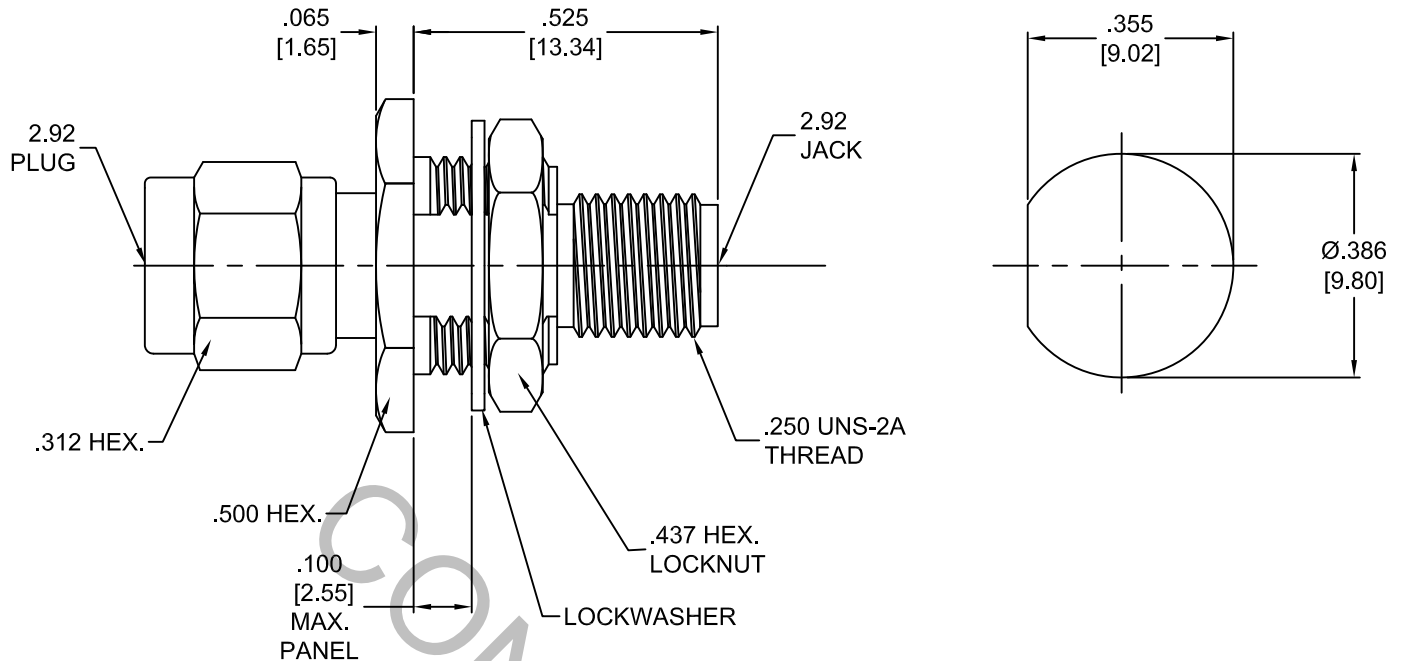


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348, Fig. 323.1 (SMK 2.92mm PLUG) AND MIL-STD-348, Fig. 323.2 (SMK 2.92mm JACK)


## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 40.0 GHz.
VSWR (MAX.) *	_____	1.05 + .007 x FGHz.
INSERTION LOSS (dB MAX.)	_____	.035 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 +125°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

\* INTO A 50 OHM LOAD.

This Document contains proprietary and confidential information.

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	13-1524	4/11/13	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1'0" X° X' ± 15"	<b>TITLE</b> 2.92mm PLUG TO 2.92mm JACK BULKHEAD ADAPTER
BA	15-2661	11/18/15	TS	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
BB	18-1665	6/14/18	TS	DRAWN	TS	DATE 4/11/13	
				APPROVED	DC	DATE 4/11/13	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 1110-9495-6201
				2J899			

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 4.5 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ 32.0
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0

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

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500

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

RECOMMENDED MOUNTING TORQUE \_\_\_\_\_ 17 - 20 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65 ° c TO + 125 ° 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. ) ( 200 VRMS )

## 5. MATERIAL

CONNECTOR BODY, COUPLING NUT, LOCKNUT \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A  
AND LOCKWASHER

CENTER CONTACT AND RETAINING RING \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY  
No. UNS C17300, TEMPER TD04.

INSULATOR \_\_\_\_\_ PLASTIC COMPOSITE

GASKET \_\_\_\_\_ SILICONE RUBBER PER ZZ-R-765.

## 6. FINISH

CONNECTOR BODY, COUPLING NUT, LOCKNUT \_\_\_\_\_ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.  
AND LOCKWASHER

CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 0.70  
(.000030 MIN.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1  
(.000050 MIN.) OVER COPPER PER AMS 2418 (.000010 MIN.)

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