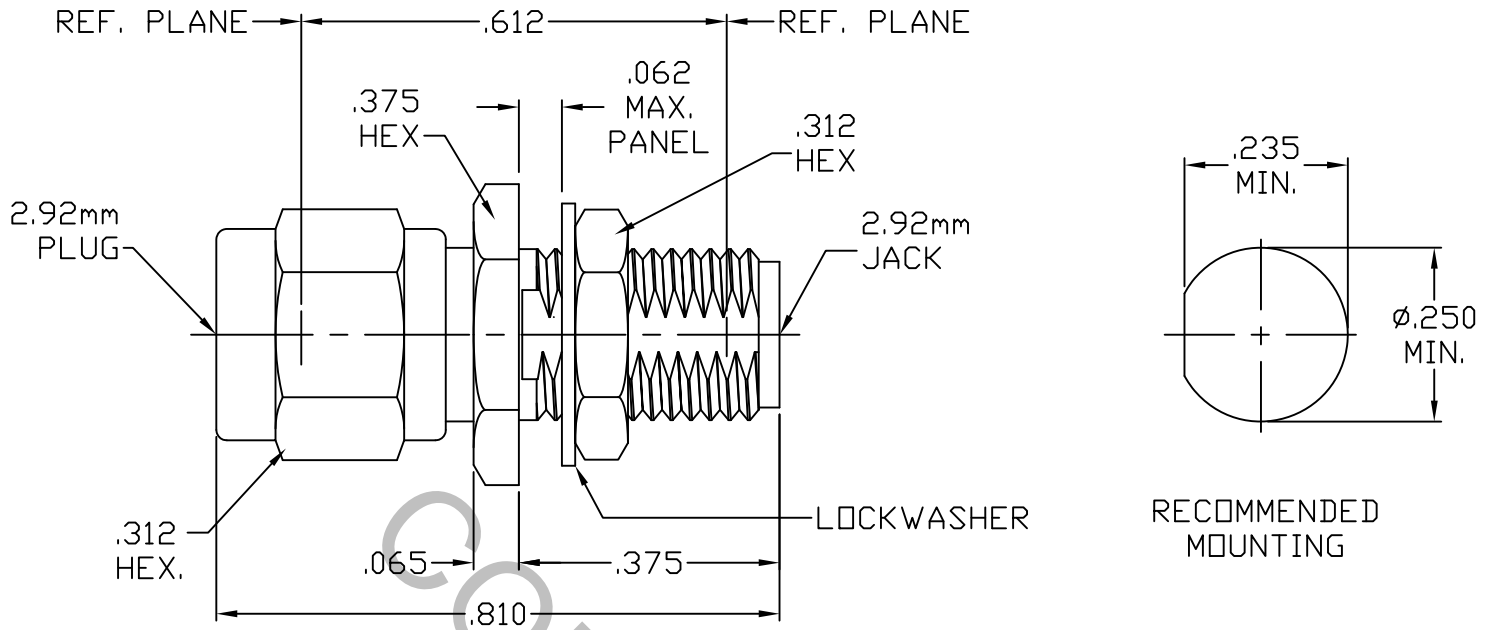


SPECIFICATION CONTROL DRAWING



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.

RoHS
COMPLIANT

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REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835	
AA	17-1034	1/9/17	TS	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X° ± 1' 0" X° X' ± 15"		
AB	18-1665	6/14/18	TS	SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10.}}$			TITLE 2.92mm PLUG TO 2.92mm JACK BULKHEAD ADAPTER	
				DRAWN	TS	DATE		1/9/17
				APPROVED	DC	DATE		1/9/17
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 1110-9495-6202	

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

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 _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY
No. UNS C17300, TEMPER TD04.

INSULATOR _____ PLASTIC COMPOSITE

6. FINISH

CONNECTOR BODY, 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 _____ N/A