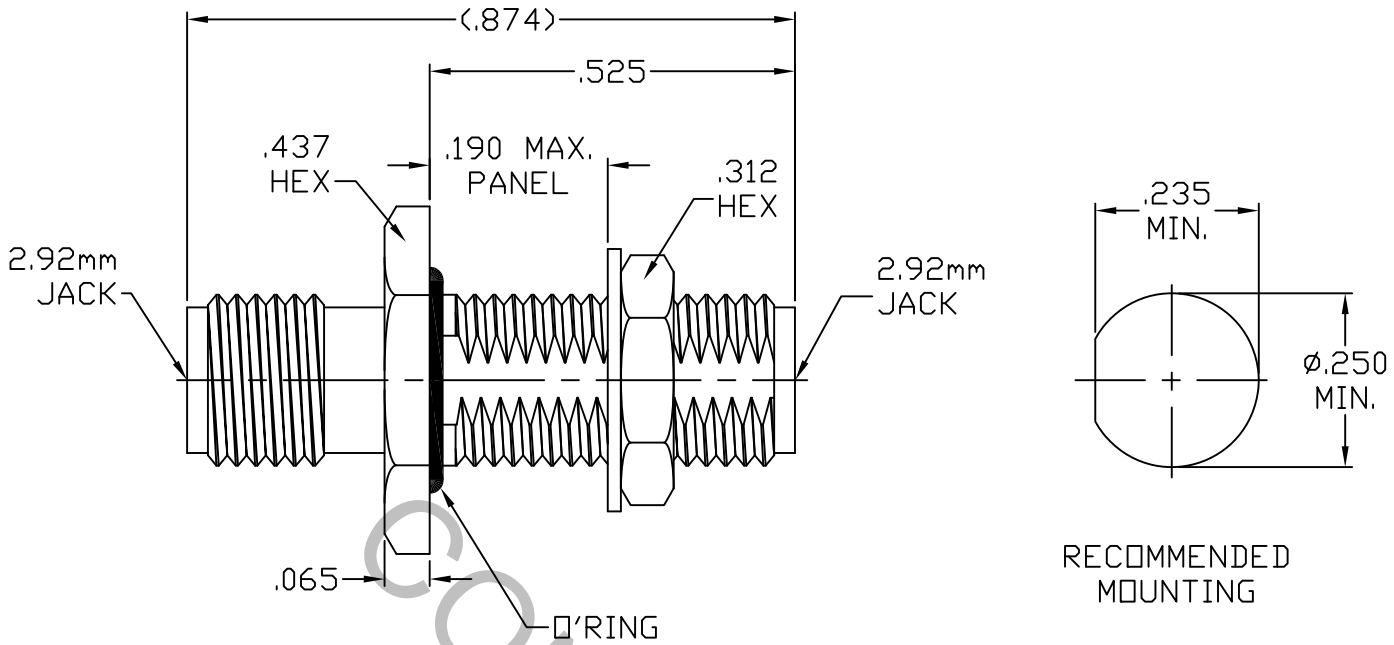


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348, Fig. 323.2 (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

This Document contains proprietary and confidential information.

| REV. | DCN NO. | DATE | APP. | DIMENSIONS ARE IN INCHES TOLERANCES | | | HAVERHILL, MA. 01835 |
|------|---------|----------|------|----------------------------------------|--------------|---------------------------|---------------------------------------------------------------------|
| | | | | DECIMALS | FRACTIONAL | ANGULAR | |
| AA | 10-1426 | 4/26/10 | TS | .X ± .030 .XX ± .010 .XXX ± .005 | ± 1/64 | X° ± 1' 0" X° X' ± 15" | TITLE 2.92mm JACK TO 2.92mm JACK BULKHEAD ADAPTER |
| BA | 15-2661 | 11/18/15 | TS | SURFACE ROUGHNESS 63 √ MIL-STD 10. | | | |
| BB | 17-1126 | 1/25/17 | DC | DRAWN | TS | DATE | DWG. NO. 1110-9595-6201 |
| BC | 18-1665 | 6/14/18 | TS | DATE | 4/26/10 | 4/26/10 | |
| | | | | APPROVED | DC | DATE | |
| | | | | CODE IDENT. | SHEET 1 OF 2 | | |
| | | | | 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 _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER
ALLOY No. UNS C17300, TEMPER TD04.

INSULATOR _____ PLASTIC COMPOSITE

O'RING _____ SILICONE RUBBER PER ZZ-R-765, CLASS 11B, GRADE 50 OR 60.

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 QQ-N-290,
(.000050 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR & O'RING _____ N/A