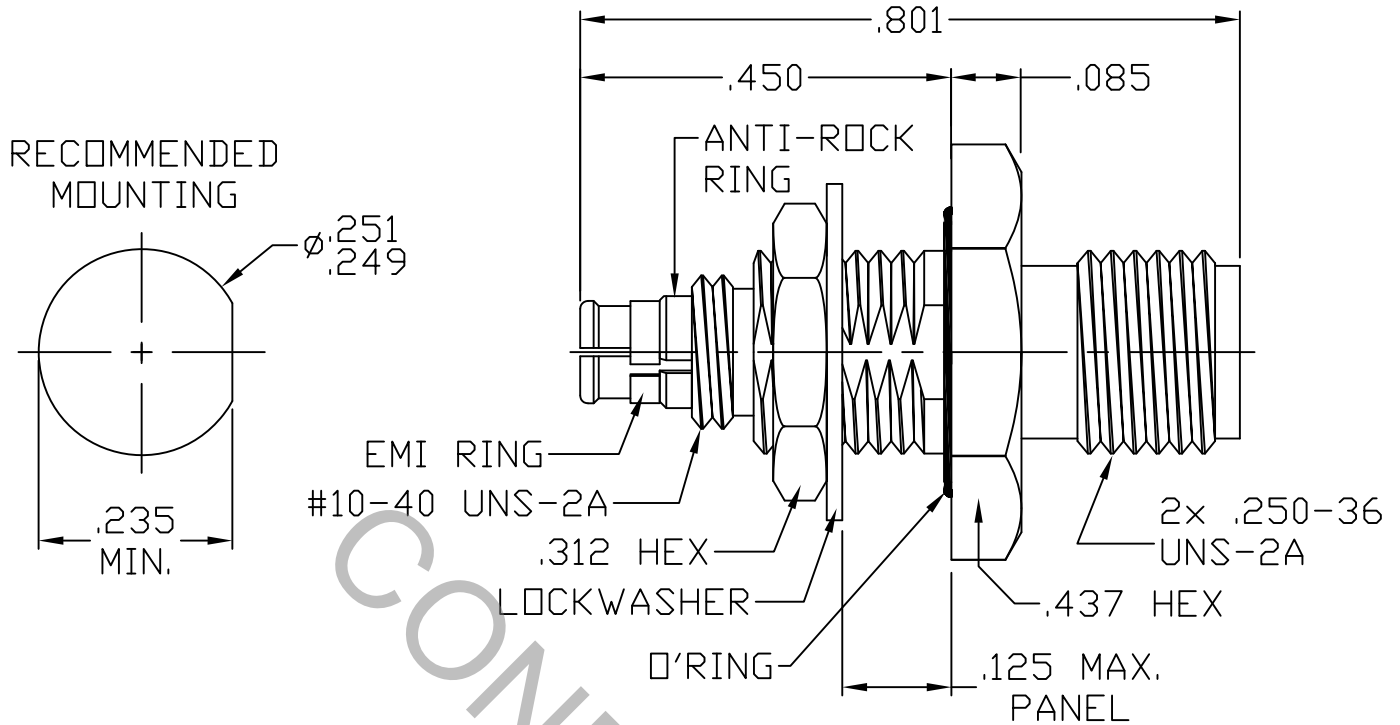


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 326.1 (SMP FEMALE) AND 310.2 (SMA JACK).


2. ELECTRICAL

| | |
|---|--------------------|
| FREQUENCY RANGE GHz | DC TO 26.5 GHz |
| VSWR (MAX.) * | 1.05 + .010 x FGHz |
| INSERTION LOSS (dB MAX.) * | .05 dB x √FGHz |
| NOMINAL IMPEDANCE (OHMS) | 50 |
| VOLTAGE RATING (MAX. VRMS) | 170 |
| RF LEAKAGE (MIN. dB DOWN) | -80 dB - FGHz |
| TEMPERATURE RATING (DEGREES CENTIGRADE) | -65°C TO + 165°C |
| DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) | 500 |
| INSULATION RESISTANCE (MIN. MEGOHMS) | 5,000 |
| CONTACT RESISTANCE | |
| • CENTER CONTACT (MAX. MILLIOHMS) | 3.0 |
| • OUTER CONTACT (MAX. MILLIOHMS) | 2.0 |

* TERMINATED IN A 50 OHM LOAD

RoHS

This Document contains proprietary and confidential information. COMPLIANT

| | | | | | |
|------|---------|---------|------|---|--|
| REV. | DCN NO. | DATE | APP. | DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONAL ANGULAR .X ± .030 X ° ± 1'0" .XX ± .010 ± 1/64 X ° X' ± 15" .XXX ± .005 |  HAVERHILL, MA 01835 |
| AA | 17-1995 | 8/16/17 | TS | | TITLE SMP FEMALE BULKHEAD MOUNT TO SMA JACK ADAPTER |
| | | | | DRAWN TS DATE 8/16/17 | |
| | | | | APPROVED DC DATE 8/16/17 | |
| | | | | CODE IDENT. 2J899 | SHEET 1 OF 2 DWG. NO. 1110-2099-6281 |

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 6.0 LBS.

MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) — 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, 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.) (125 VRMS)

5. MATERIAL

SMA BODY & HEX NUT _____ STAINLESS STEEL PER AMS 5640, TYPE 303, COND. A

LOCKWASHER _____ STAINLESS STEEL PER ASTM-A-276, TYPE 410, GRADE B6

CONTACT, EMI & ANTI-ROCK RINGS _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM 1710-02, TYPE 1, GRADE 1, CLASS B.

O'RING _____ SILICONE RUBBER PER ZZ-R-765E, CLASS 1 OR ASM 3304

6. FINISH

SMA BODY, HEX NUT, LOCKWASHER _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

SMP BODY, EMI & ANTI-ROCK RINGS _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000100 MIN. THK.) OVER COPPER PER AMS 2418 (.000040 MIN. THK.)

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1
(.000050 MIN. THK.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)

INSULATOR & O'RING _____ N/A