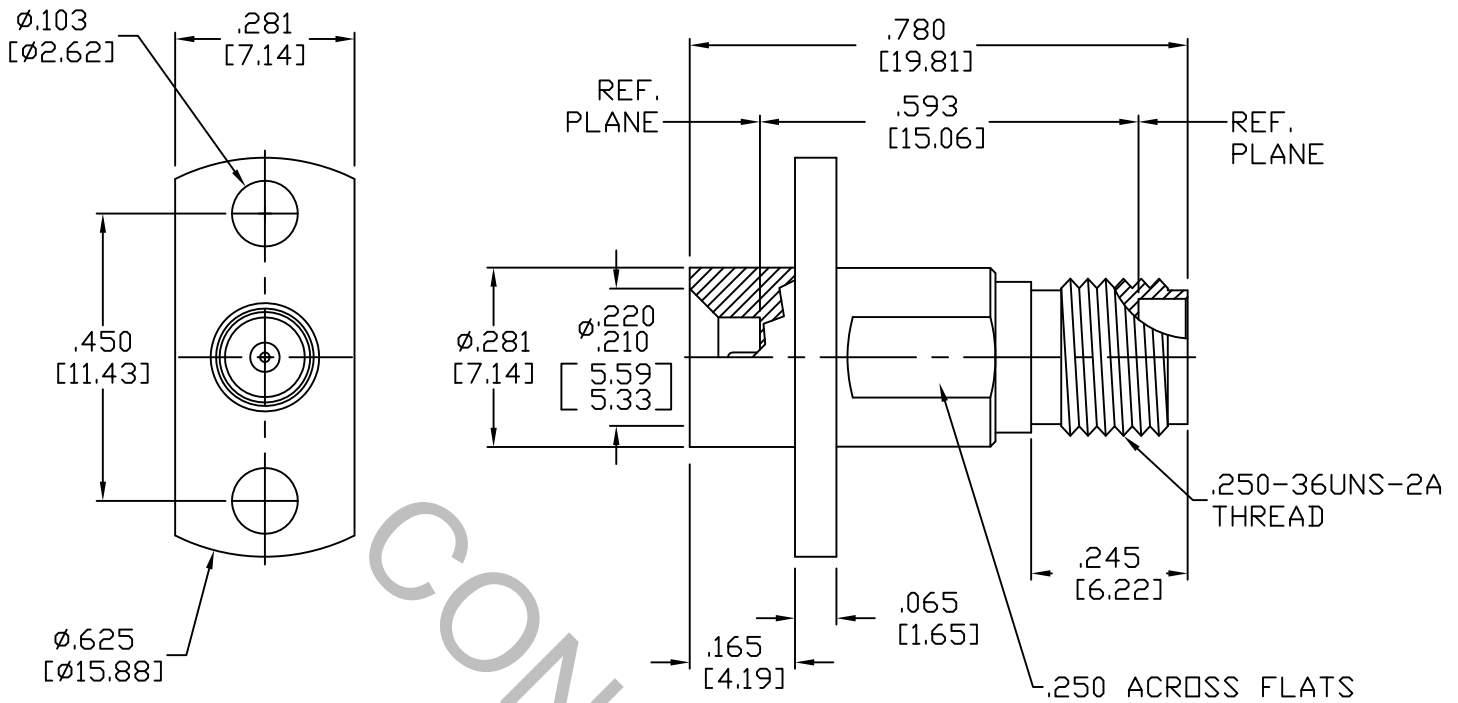


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, (Fig. 326.5), (SMP, PLUG, SBCM))
MIL-STD-348A, (Fig. 310.2), (SMA, JACK)


2. ELECTRICAL

| | | |
|---|-------|-------------------------|
| FREQUENCY RANGE GHz | _____ | DC TO 18.0 GHz. |
| VSWR (MAX.) * | _____ | 1.05 + .010 x FGHz. |
| INSERTION LOSS (dB MAX.) | _____ | .040 dB x \sqrt{FGHz} |
| NOMINAL IMPEDANCE (OHMS) | _____ | 50 |
| VOLTAGE RATING (MAX. VRMS) | _____ | 190 |
| RF LEAKAGE (MIN. dB DOWN) | _____ | -85 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
COMPLIANT

This Document contains proprietary and confidential information.

| REV. | DCN NO. | DATE | APP. | DIMENSIONS ARE IN INCHES TOLERANCES | | |  HAVERHILL, MA 01835 |
|------|---------|--------|------|--|--------------|----------------------------|--|
| AA | 18-1256 | 3/2/18 | TS | DECIMALS | FRACTIONAL | ANGULAR | |
| | | | | .X ± .030 .XX ± .010 .XXX ± .005 | ± 1/64 | X° ± 1°0' X°X' ± 15' | |
| | | | | DRAWN TS | DATE 1/8/18 | | TITLE SMP, PLUG (SBCM) TO SMA, JACK 2 HOLE FLANGE ADAPTER |
| | | | | APPROVED DC | DATE 1/8/18 | | |
| | | | | CODE IDENT. 2J899 | SHEET 1 OF 2 | DWG. NO. 1152-2199-6206 | |

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
MAX.AXIAL FORCE _____ 4.5 LBS.
MAX. RADIAL TORQUE _____ N/A
CENTER CONTACT AXIAL FORCES
● INSERTION (MAX. OUNCES) _____ 32.0
● WITHDRAWAL (MIN. OUNCES) _____ 2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) _____ 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 100
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.) (190 VRMS)

5. MATERIAL

BODY _____ STAINLESS STEEL PER ASTM-A-581, TYPE 303, COND. A.
CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER
ALLOY No. UNS-C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

BODY _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4
CONTACT _____ 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 (.000050 MIN. THK.) OVER COPPER PER AMS-2418
(.000010 MIN. THK.)
INSULATOR _____ N/A