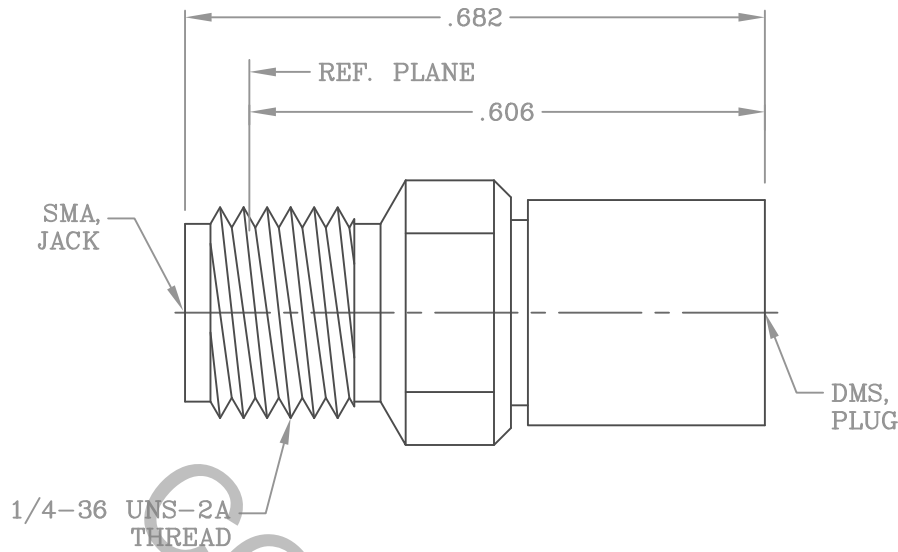


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SMA JACK per MIL-STD-348 (Fig. 310-2) AND FOR DMS JACK PER DYNAWAVE SPECIFICATION MD-24.


2. ELECTRICAL

| | | |
|---|-------|----------------------------------|
| FREQUENCY RANGE GHz | _____ | DC TO 26.5 GHz. |
| VSWR (MAX) * | _____ | 1.02 + .005 x FGHz. |
| INSERTION LOSS (dB MAX.) | _____ | .030 dB x $\sqrt{\text{FGHz}}$. |
| NOMINAL IMPEDANCE (OHMS) | _____ | 50 |
| VOLTAGE RATING (MAX. VRMS) | _____ | 170 |
| RF LEAKAGE (MIN. dB DOWN) | _____ | 100 dB - FGHz. |
| TEMPERATURE RATING (DEGREES CENTIGRADE) | _____ | -65° c TO +200° c |
| DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) | _____ | 500 |
| INSULATION RESISTANCE (MIN. MEGOHMS) | _____ | 5,000 |
| CONTACT RESISTANCE | | |
| • CENTER CONTACT (MAX. MILLIOHMS) | _____ | 6.0 |
| • 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 |  HAVERHILL, MA 01835 |
|------|---------|----------|------|---|--|
| AA | 02-1155 | 12/30/02 | BN | DECIMALS FRACTIONAL ANGULAR .X ± .030 ±1/64 X° ± 1'0" .XX ± .010 X° X' ± 15" .XXX ± .005 SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$. | TITLE SMA, JACK TO DMS, PLUG ADAPTER |
| | | | | DRAWN G.E. DATE 12/30/02 | |
| | | | | APPROVED BN DATE 12/30/02 | |
| | | | | CODE IDENT. 2J899 | DWG. NO. 1100-1499-6200 |
| | | | | SHEET 1 OF 2 | |

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 5.0 LBS.
 - MIN. RADIAL TORQUE _____ N/A
- RADIAL MISALIGNMENT _____ .010 MIN. (DMS SIDE ONLY)
AXIAL MISALIGNMENT _____ .000/.007 (DMS SIDE ONLY)
CONNECTOR DURABILITY (MIN. MATING) _____ 500 CYCLES

4. ENVIRONMENTAL

- TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65^oc TO +200^o 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

- BODY, FRONT AND BODY, REAR _____ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A
CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B, B196-03, COPPER ALLOY No. UNS C17300, TEMPER 004.
INSULATOR (2) _____ TEFLON PER ASTM D 1710-02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

- BODY, FRONT AND BODY, REAR _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.
CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE II, GRADE C, CLASS 1.25 (.000050 MIN. THK.) OVER NICKEL PER SAE AMS QQ-N-290, CLASS 1 (.000050 Min.) OVER COPPER PER AMS 2418 (.000010 MIN. THK.)
INSULATOR (2) _____ N/A