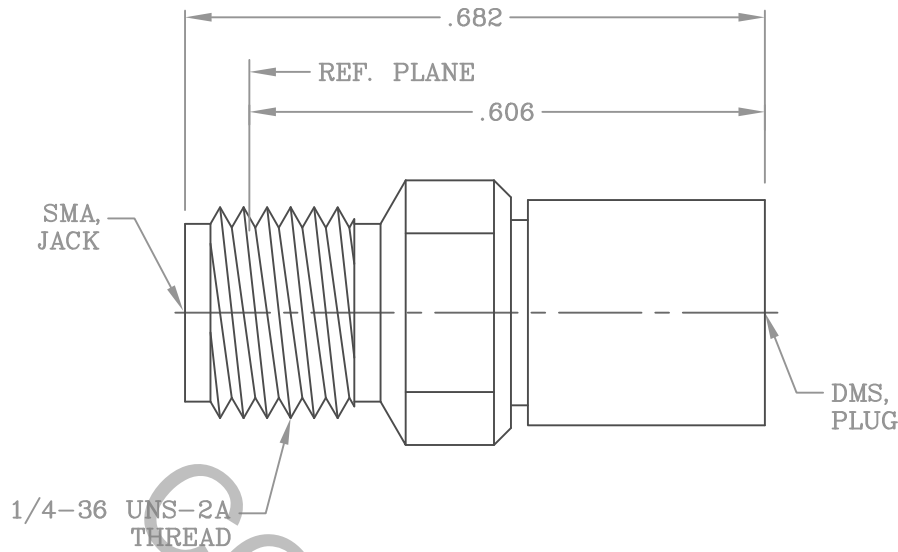


SPECIFICATION CONTROL DRAWING



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