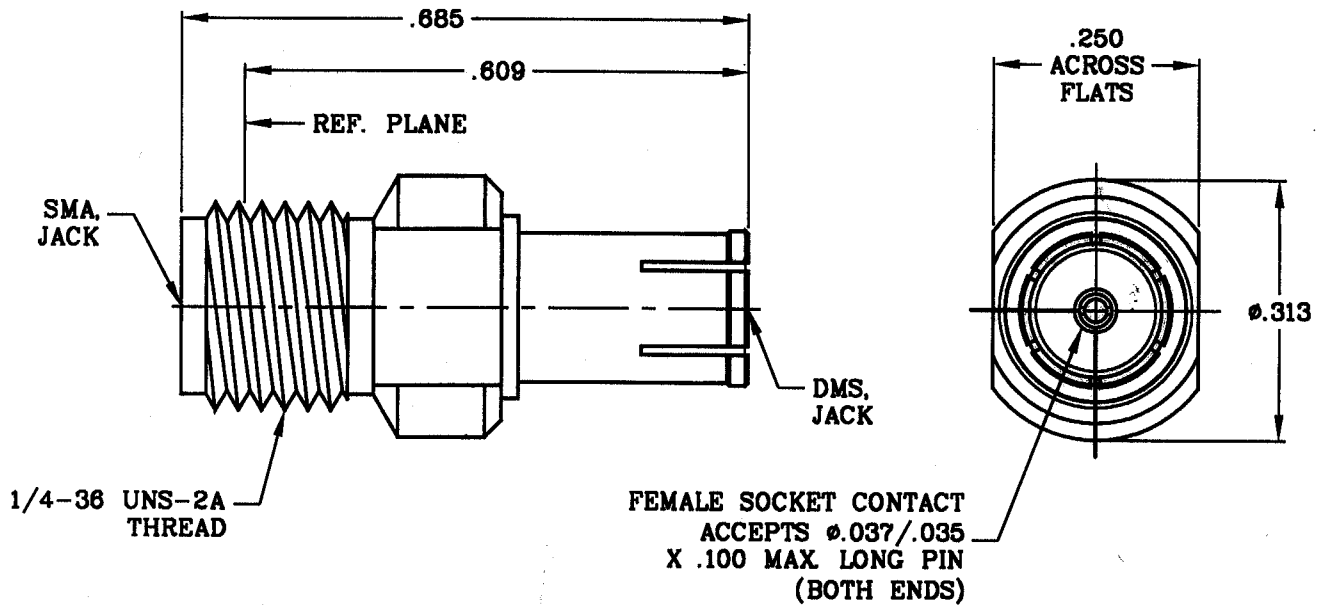


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SMA JACK per MIL-STD-348 (Fig. 310-2) AND FOR DMS JACK PER DYNAWAVE SPECIFICATION MD-25:

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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	dynawave INCORPORATED HAVERHILL, MA 01836
AA	02-0862	10/18/02	EN	DECIMALS: .X ± .030 .XX ± .010 .XXX ± .005 FRACTIONAL: ± 1/64 ANGULAR: X° ± 10' X' ± 15' SURFACE ROUGHNESS 63 √ MIL-STD 10.	TITLE SMA, JACK TO DMS, JACK ADAPTER
				DRAWN G.E. DATE 10/17/02 APPROVED EN DATE 10/18/02	
				CODE IDENT. 2J899	DWG. NO. 1100-2599-5400
				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°c TO +200° 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	_____	STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A
CENTER CONTACT AND BODY, REAR	_____	BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY No. UNS C17300, TEMPER TD04.
INSULATOR (2)	_____	TEFLON PER D 1457

6. FINISH

CONNECTOR BODY AND SLEEVE	_____	PASSIVATE PER QQ-P-35C, TYPE IV
CENTER CONTACT AND BODY, REAR	_____	GOLD per MIL-G-45204, TYPE II, GRADE C, CLASS 2 (.000100 Minimum Thickness) OVER NICKEL per QQ-N-290, CLASS 1 (.000100 Minimum Thickness) OVER COPPER per MIL-C-14550 (.000010 Minimum Thickness).
INSULATOR (2)	_____	N/A

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SHEET 2 OF 2

DWG.
NO.

1100-2599-5400

REV.

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