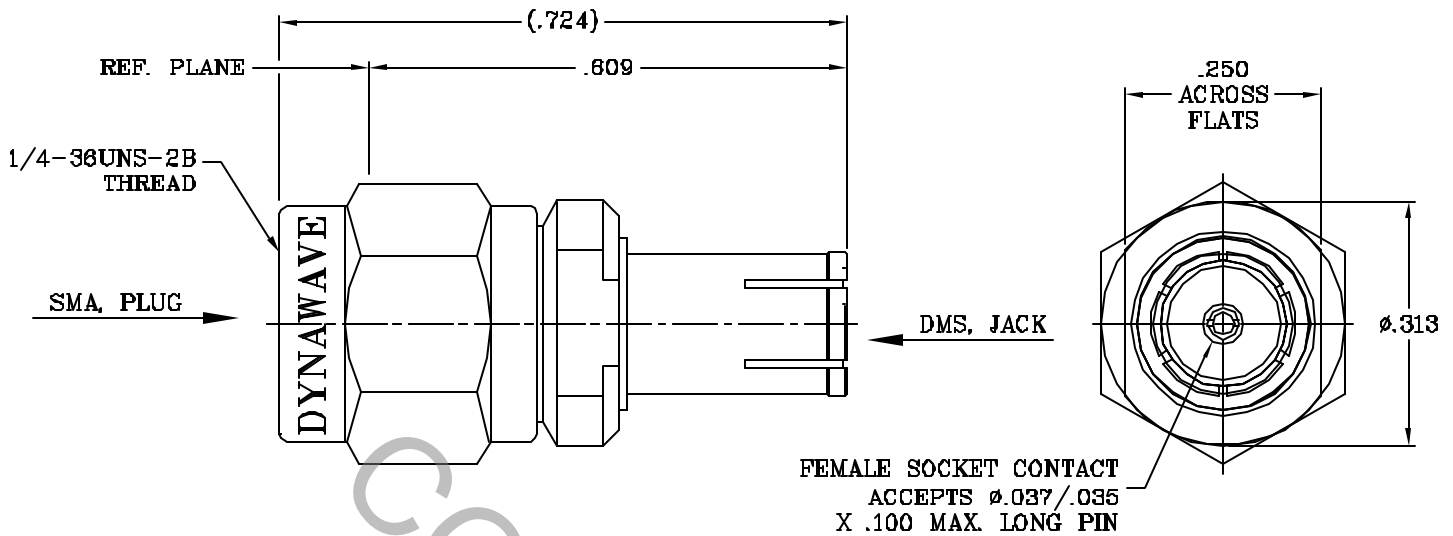


SPECIFICATION CONTROL DRAWING



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	02-0915			DECIMALS .X ± .050 .XX ± .010 .XXX ± .005	FRACTIONAL ±1/64	ANGULAR X ° ± 1' 0" X ° X' ± 15"	
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.			TITLE SMA, PLUG TO DMS, JACK ADAPTER
				DRAWN G.E.	DATE 11/26/02		
				APPROVED	DATE		
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 1100-2598-5400
				2J899			

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 106, COND. C (70,000 FT.) (125 VRMS)

5. MATERIAL

BODY, FRONT AND COUPLING NUT _____	STAINLESS STEEL PER AMS-5840, TYPE 303, COND. A
CENTER CONTACT AND BODY, REAR AND RETAINING RING _____	BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY No. UNS C17300, TEMPER T004.
GASKET _____	SILICONE RUBBER PER AMS-3304, COLOR RUST, GRADE 70
INSULATOR (2) _____	TEFLON PER D 1457

6. FINISH

CONNECTOR BODY, SLEEVE AND COUPLING NUT _____	PASSIVATE PER QQ-P-35C, TYPE IV
CENTER CONTACT, RETAINING RING 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-14560 (.000010 Minimum Thickness).
INSULATOR (2) AND GASKET _____	N/A