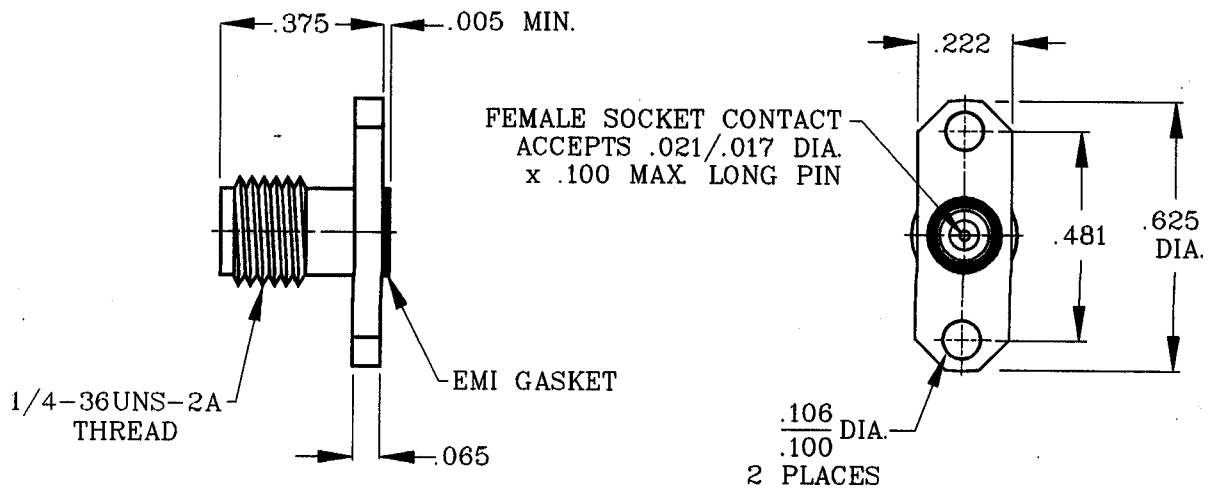


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SMA, JACK PER MIL-STD-348 (Fig. 310-2) AND DYNAWAVE SPECIFICATION MD-99.

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz.
VSWR (MAX) ●	_____	1.05 + .006 x FGHz.
INSERTION LOSS (dB MAX) ●	_____	.030 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
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			GEORGETOWN MA 01833
—	1167	8/95	T.S.	DECIMALS X+ .030 XX+ .010 XXX+ .005	FRACTIONAL ±1/64	ANGULAR X° ± 1'0" X° X' ± 15'	
				DRAWN	T.S.	DATE 8/95	TITLE SMA, JACK FIELD REPLACEABLE 2 HOLE FLANGE MOUNT
				APPROVED		DATE 8/95	
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 9952-0781-6420

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
 MAX AXIAL FORCE _____ 6.0 LBS.
 MAX RADIAL TORQUE _____ 4.0 IN./OZ.
 CENTER CONTACT AXIAL FORCES
 ● INSERTION (MAX. OUNCES) _____ 48.0
 ● WITHDRAWAL (MIN. OUNCES) _____ 2.0
 CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) — 2.0
 CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
 RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

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.) (190 VRMS)

5. MATERIAL

BODY _____ STAINLESS STEEL PER ASTM A 561, TYPE 303, COND. A
 CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
 No. UNS-C17300, TEMPER TD04.
 INSULATOR _____ TEFLON PER ASTM D 4894-91.
 EMI GASKET _____ SILVER PLATED ALUMINUM IN SILICONE

6. FINISH

BODY _____ GOLD PER MIL-G-45204, TYPE I, GRADE C, CLASS 1
 OVER NICKEL PER QQ-N-290, CLASS 1
 OVER COPPER PER MIL-C-14550.
 CONTACT _____ 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 AND EMI GASKET _____ N/A



SHEET 2 OF 2

DWG.
NO.

9952-0781-6420

REV.

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