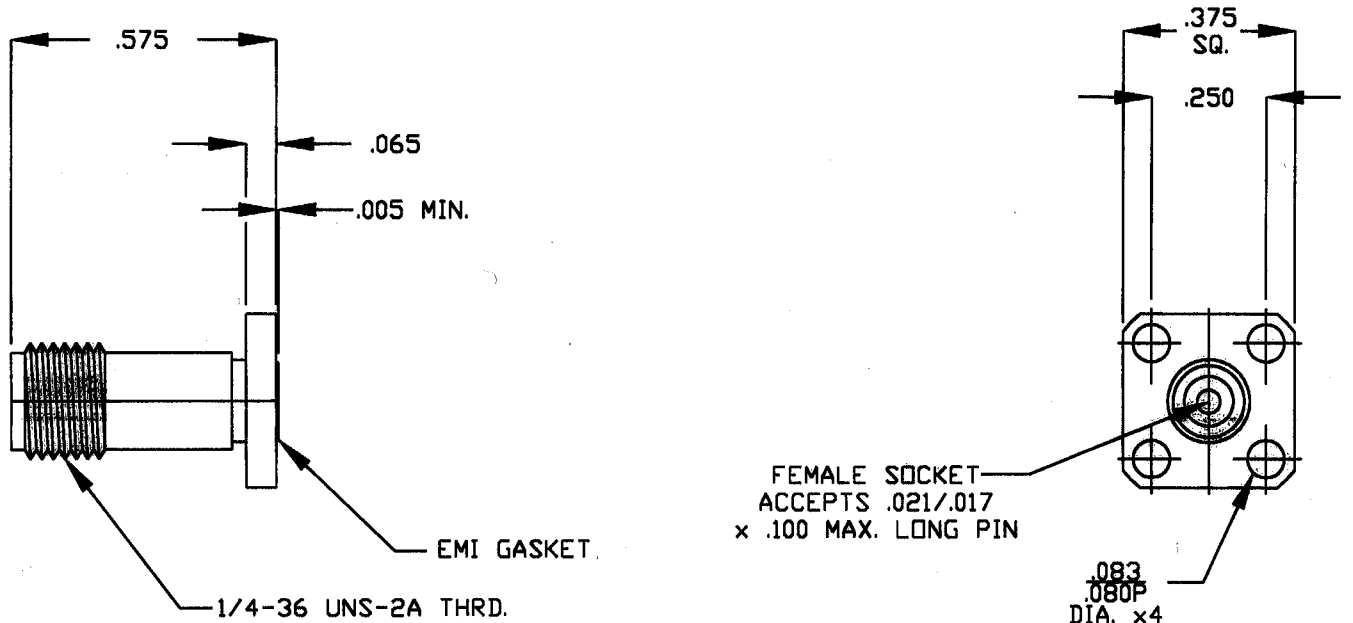


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE MD-99

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz.
VSWR (MAX.) *	1.05 + .006 x FGHz.
INSERTION LOSS (dB MAX.)	.03 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)	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			 Haverhill, MA 01835
AA	00-1078	8/23/00	Cu	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL 1/64	ANGULAR X° ± 1 0' X° X' ± 15"	
				SURFACE ROUGHNESS 63 VMIL-STD-10.			
				DRAWN <i>EJH</i>	DATE 8/21/00		DWG. NO. 9954-0781-6287
				APPROVED <i>Cu</i>	DATE 8/23/00		
				CODE IDENT. 2J899	SHEET 1 OF 2		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MAX AXIAL FORCE _____ 6.0 LBS.
- MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX OUNCES) _____ INTERFACE 48.0, REAR 32.0
- WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0, REAR 1.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX IN./LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE

INTERFACE _____ 7.0 TO 10.0 IN./LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-85 °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 ASM-5640, TYPE 303, COND. A.

CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.

INSULATOR _____ TEFLON PER MIL-P-19468 AND L-P-403, TYPE 1

EMI GASKET _____ SILVER PLATED ALUMINUM IN SILICONE.

6. FINISH

BODY _____ PASSIVATE PER QQ-P-35A, TYPE 1.

CONTACT _____ GOLD PER MIL-G-45204, TYPE 2, GRADE C, CLASS 2
OVER COPPER PER MIL-C-14560, CLASS 4

INSULATOR _____ N/A

EMI GASKET _____ N/A

dynawave
INCORPORATED

SHEET 2 OF 2

DWG.
NO.

9800-1930-2180

REV.

AA