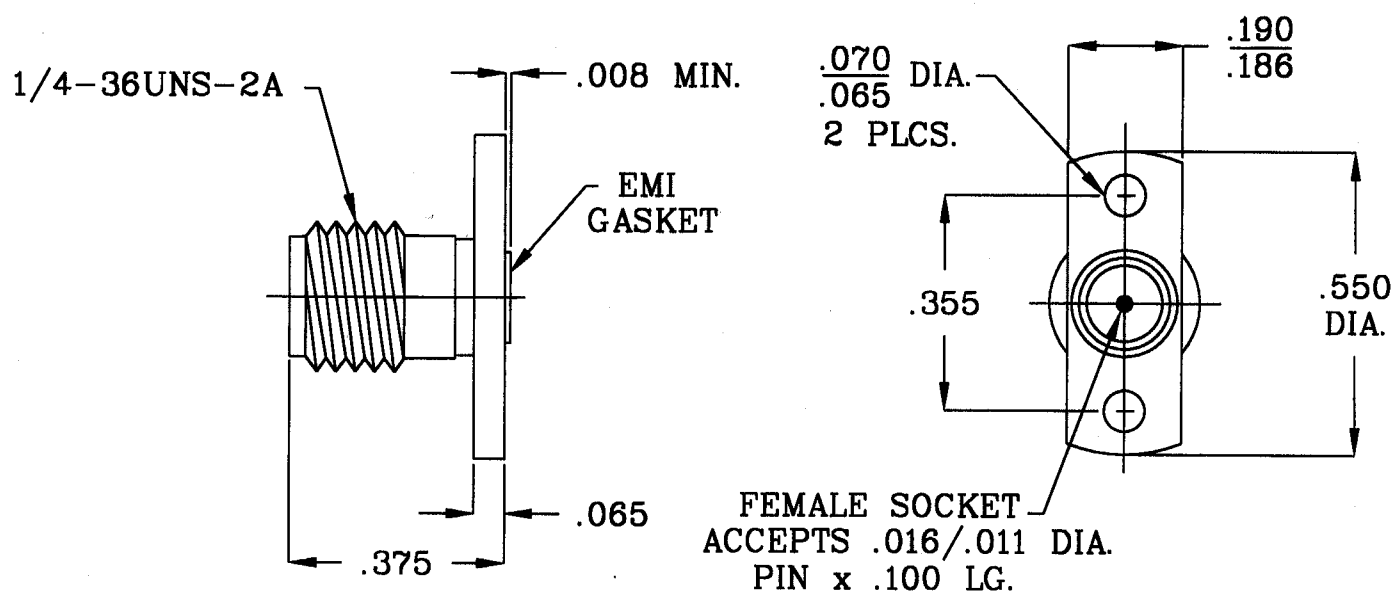


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-C-39012/SMA AND 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) _____ 100dB - 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			 INCORPORATED HAVERHILL MA. 01830
—	185	9/86	CDM	DECIMALS	FRACTIONAL	ANGULAR	
				X ± .030		X ± .01	
				XX ± .010 ± 1/64		XX ± 15'	
A	186	9/86	CDM	XXX ± .005			
				SURFACE ROUGHNESS 63 ✓ MIL-STD 10.			
AA	01-0833	8/22/01	DGG	DRAWN CDM DATE 9/86			TITLE SMA, JACK FIELD REPLACEABLE 2 HOLE FLANGE
				APPROVED DGG DATE 8/22/01			
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9952-0781-6213
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ 2.0 IN. OZ.

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 _____ 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

CONNECTOR BODY _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A.
CENTER CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. HT
INSULATOR _____ TEFLON MIL-P-19468+L-P-403
EMI GASKET _____ SILVER-PLATED ALUMINUM IN SILICON RUBBER

6. FINISH

CONNECTOR BODY _____ PASSIVATE PER QQ-P-35C, TYPE VI (6)
CENTER CONTACT _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2
OVER COPPER PER MIL-C-14550, CLASS 4
INSULATOR AND EMI GASKET _____ N/A