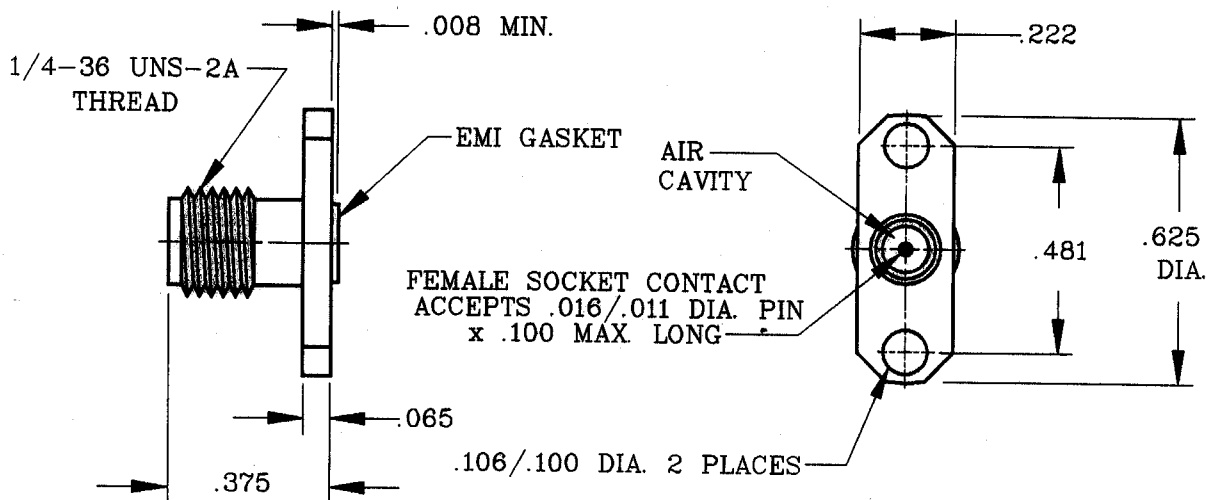


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-C-39012/SMAND 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 √ FGHz
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-85°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 GEORGETOWN MA. 01833
				DECIMALS	FRACTIONAL	ANGULAR	
—	596	11/88	DGG	.X ± .030 .XX ± .010 .XXX ± .006	± 1/64	X° ± 1° 0' X° X ± 15'	TITLE FIELD REPLACEABLE, SMA, JACK, 2 HOLE FLANGE AIR CAVITY
				DRAWN	RF	DATE 11/88	
				APPROVED	DGG	DATE 11/88	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9952-0681-6277
				2J899			

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 _____ 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 108, 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 & SLEEVE _____ STAINLESS STEEL PER AMS-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 I

EMI GASKET _____ SILVER PLATED ALUMINUM IN SILICONE RUBBER

6. FINISH

BODY & SLEEVE _____ PASSIVATE PER QQ-P-35A, TYPE I

CONTACT _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2, OVER
COPPER PER MIL-C-14550, CLASS 4

INSULATOR _____ N/A

EMI GASKET _____ N/A

dynawave
INCORPORATED

SHEET 2 OF 2

DWG.
NO.

9952-0681-6227

REV.

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