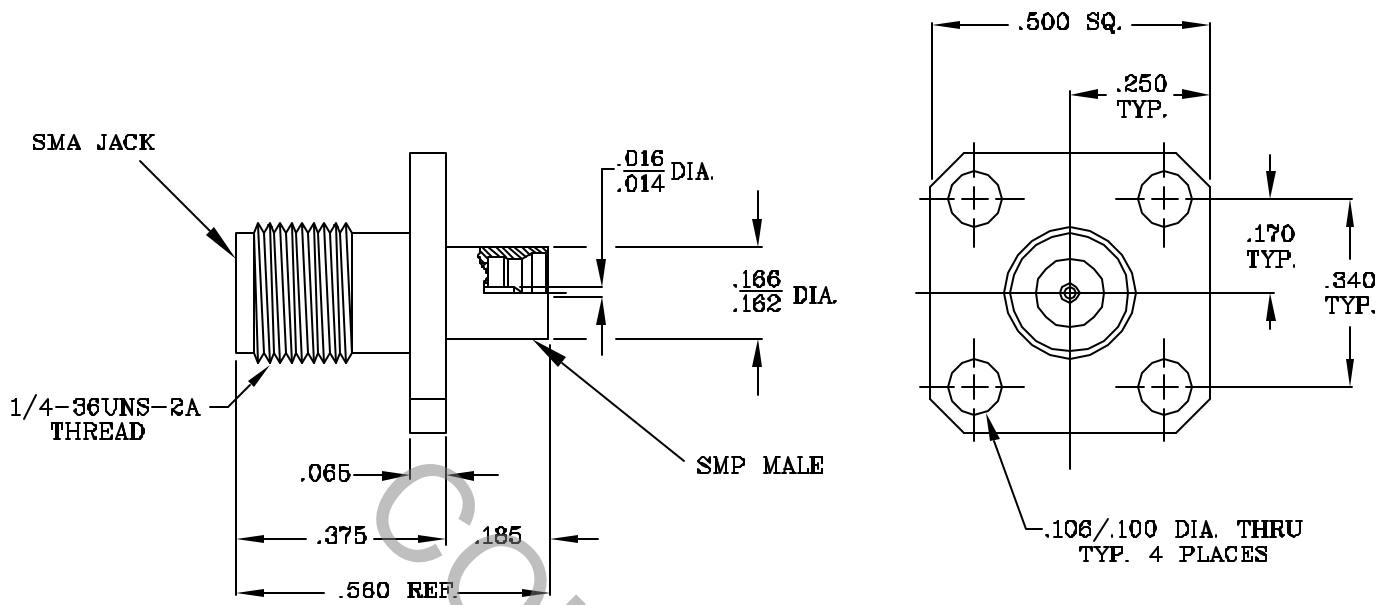


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPEC. MD-21 AND MD-99 (MIL-STD-348, Fig. 310-2).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX.)	_____	1.05 + .010 x FGHZ.
INSERTION LOSS (dB MAX.)	_____	.04 dB x $\sqrt{\text{FGHZ.}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	190
RF LEAKAGE (MIN. dB DOWN)	_____	85 dB - FGHZ
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +150° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• 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 01835
AA	03-1427			DECIMALS FRACTIONAL ANGULAR X ± .030 XX ± .010 XXX ± .005 ± 1/64 X° ± 1° 0' X° X' ± 15' SURFACE ROUGHNESS 63 <input checked="" type="checkbox"/> MIL-STD 10.	
				DRAWN G.E. DATE 4/1/03	TITLE SMA JACK 4 HOLE FLANGE MOUNT TO SMP MALE FULL DETENT ADAPTER
				APPROVED DATE	
				CODE IDENT. 2J899	DWG. NO. 1154-2199-6250
				SHEET 1 OF 2	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.0 LBS.
- MIN. RADIAL TORQUE _____ N/A

SMA ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

CONNECTOR DURABILITY (MIN. MATING) _____ 500

SMP ENGAGEMENT FORCES

- INSERTION (MAX. POUNDS) _____ 15.0
- WITHDRAWAL (MIN. POUNDS) _____ 5.0

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65° c TO + 165° 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.) (125 VRMS)

5. MATERIAL

CENTER CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173 COND. HT

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 582 , TYPE 303 , COND.A

INSULATOR _____ TEFLON PER D 1457.

6. FINISH

BODY _____ PASSIVATE PER QQ-P-35A

CENTER CONTACT _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2
(.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.00010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR _____ N/A