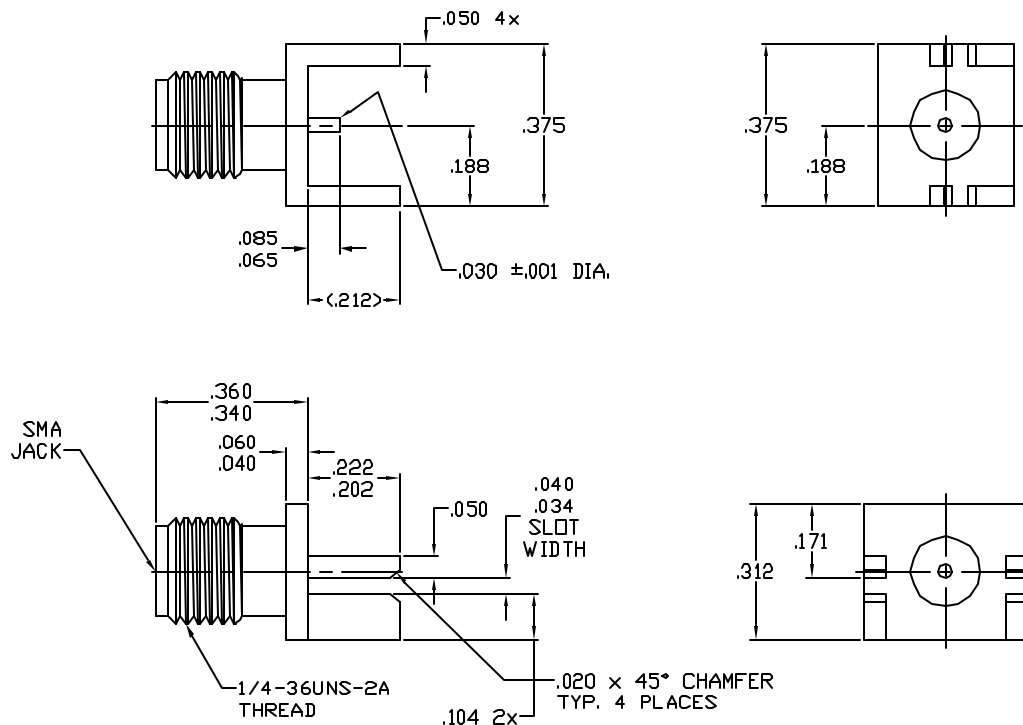


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 310.2) SMA, JACK AND DYNAWAVE SPECIFICATION MD-99.

2. ELECTRICAL

FREQUENCY RANGE GHz _____ DC TO 18.0 GHz.
 VSWR (MAX) * _____ $1.20 + .010 \times \text{FGHz}$
 INSERTION LOSS (dB MAX) * _____ $.05 \text{ dB} \times \sqrt{\text{FGHz}}$
 NOMINAL IMPEDANCE (OHMS) _____ 50
 VOLTAGE RATING (MAX. VRMS) _____ 335
 RF LEAKAGE (MIN. dB DOWN) _____ $100 \text{ dB} - \text{FGHz}$
 TEMPERATURE RATING (DEGREES CENTIGRADE) _____ $-65^{\circ} \text{ C TO } +165^{\circ} \text{ C}$
 DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) _____ 1,000
 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	03-1490	4/11/03	DC	DECIMALS	FRACTIONAL	ANGULAR	
BA	03-1870			.X ± .030 .XX ± .010 .XXX ± .006	1/84	X° ± 1° X' ± 15'	
				SURFACE ROUGHNESS 63 ✓ MIL-BYD 10.			
				DRAWN D.C. DATE 4/11/03			TITLE SMA, JACK STRAIGHT, P.C. MOUNT PIN TERMINAL
				APPROVED D.C. DATE 4/11/03			
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9920-0032-2100
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

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

CONNECTOR ENGAGEMENT FORCES

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

CONNECTOR DURABILITY (MIN. MATING) _____ 500

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 106, COND. C (70,000 FT.) (190 VRMS)

5. MATERIAL

CONNECTOR BODY _____ BRASS PER ASTM B36, TEMPER H02, ALLOY C36000

CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B 193, COPPER ALLOY UNS C17300.

INSULATOR _____ TEFLON PER D 4894

6. FINISH

CONNECTOR BODY _____ TRI METAL PLATE

CENTER CONTACT _____ TRI METAL PLATE

INSULATOR _____ N/A