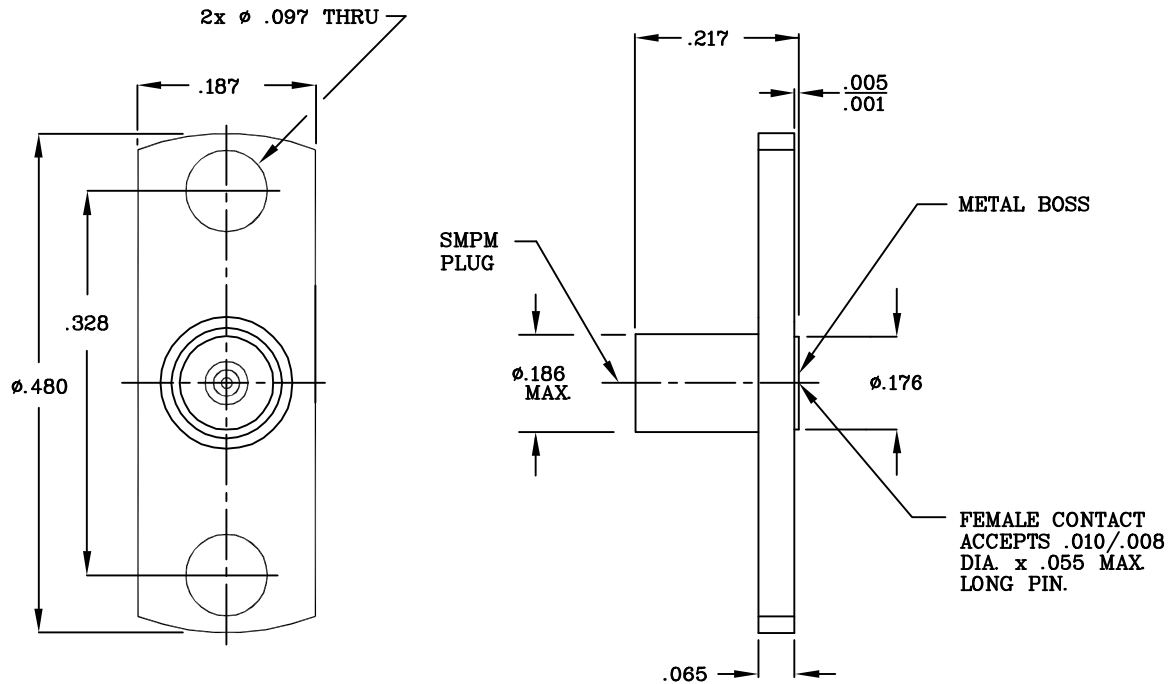


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-31.

2. ELECTRICAL

FREQUENCY RANGE GHz _____ DC TO 26.5 GHz.
 VSWR (MAX.) * _____ $1.05 + .006 \times \text{FGHz.}$
 INSERTION LOSS (dB MAX.) * _____ $.045 \text{ dB} \times \sqrt{\text{FGHz.}}$
 NOMINAL IMPEDANCE (OHMS) _____ 50
 VOLTAGE RATING (MAX. VRMS) _____ 250
 RF LEAKAGE (MIN. dB DOWN) _____ $100 \text{ dB} - \text{FGHz.}$
 TEMPERATURE RATING (DEGREES CENTIGRADE) _____ $-65^{\circ} \text{ c TO } +150^{\circ} \text{ c}$
 DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) _____ 500
 INSULATION RESISTANCE (MIN. MEGOHMS) _____ 2,500
 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	03-1111	1/28/03	BN	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL 1/64		ANGULAR X° ± 1° 0' X° X' ± 15'
AB	03-1597	5/7/03	DC	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
AC	05-1401	3/29/05	DC	DRAWN B.N. DATE 12/11/02			
				APPROVED B.N. DATE 1/28/03		TITLE SMPM, PLUG 2 HOLE FLANGE MOUNT FIELD REPLACEABLE (WITH METAL BOSS)	
				CODE IDENT. 2J899	SHEET 1 OF 2		
					DWG. NO. 3152-0881-6232		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 3.5 LBS.
- MIN. RADIAL TORQUE _____ 2.5 IN.OZ.

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ N/A
- WITHDRAWAL (MIN. OUNCES) _____ N/A

CONNECTOR DURABILITY (MIN. MATING) _____ 500

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

CONNECTOR BODY _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A
CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.
INSULATOR _____ TEFLON PER ASTM D 4894-91

6. FINISH

CONNECTOR BODY _____ PASSIVATE PER QQ-P-35C, TYPE VI.

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



SHEET 2 OF 2

DWG.
NO.

3152-0881-6232

REV.

AC