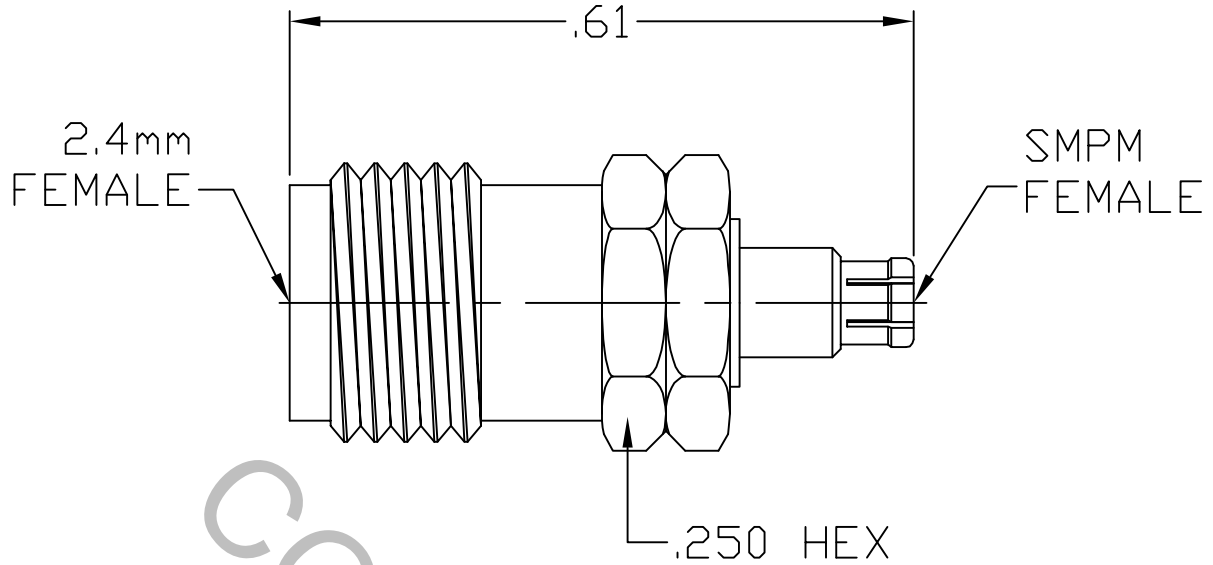


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-13 (2.4mm, JACK) AND MIL-STD-348 Fig. 328.1 (SMPM, FEMALE).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 40.0 GHz.
VSWR (MAX) *	1.06 + .007 x FGHz.
INSERTION LOSS (dB MAX)	.050 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	150
RF LEAKAGE (MIN. dB DOWN)	90 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65 ° c TO +125 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	425
INSULATION RESISTANCE (MIN. MEGOHMS)	2,500
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	4.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	05-1875	8/30/05	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1' 0" X° X' ± 15"	2.4mm FEMALE TO SMPM FEMALE ADAPTER
AB	12-1392	5/15/12	DC	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN	DC	DATE	2.4mm FEMALE TO SMPM FEMALE ADAPTER
				APPROVED	DC	DATE	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 1100-1330-5450
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MIN. AXIAL FORCE _____ 4.5 LBS.

MIN. RADIAL TORQUE _____ N/A

2.4mm, JACK MATING FORCES - CENTER CONTACT

● INSERTION (MAX. OUNCES) _____ 32.0

● WITHDRAWAL (MIN. OUNCES) _____ 1.0

SMP, FEMALE ENGAGEMENT FORCES

● ENGAGE (MAX. LBS.) _____ FULL DETENT 6.5 LBS.

● DISENGAGE (MIN. LBS.) _____ FULL DETENT 5.0 LBS.

CONNECTOR DURABILITY (MIN. MATING)

● 2.9mm, JACK _____ 1,000

● SMP, FEMALE _____ 100

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65^oc TO +165^o 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.) (90 VRMS)

5. MATERIAL

BODY 2.4mm _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

BODY SMPM, CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER ASTM-D-1711-02, TYPE 1, GRADE 1, CLASS B.

2.4mm BEAD _____ PLASTIC COMPOSIT

6. FINISH

BODY 2.4mm _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

BODY SMPM _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290 CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS) (.000010 MIN. THK.)

CENTER CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 0.75 (.000030-.000055 THK.) OVER NICKEL PER SAE-AMS-QQ-N-290, CLASS 1 (.000050-.000075 THK.) OVER COPPER PER AMS-2418, (.000010 MIN. THK.).

INSULATOR & BEAD _____ N/A