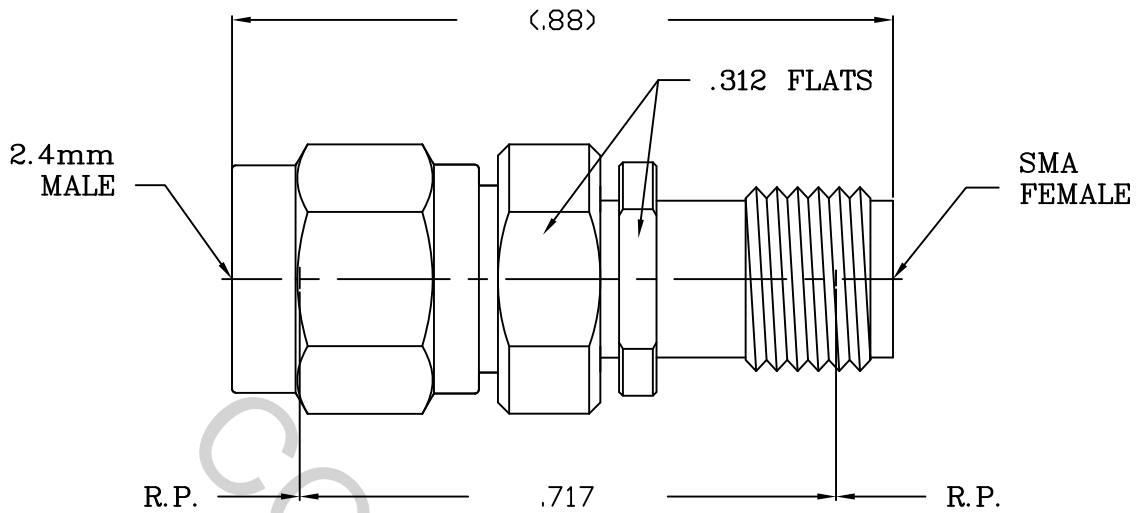


# SPECIFICATION CONTROL DRAWING



1. MATING    1A. INTERFACE DIMENSIONS PER DYNAWAVE MD-13-1  
               2A. INTERFACE DIMENSIONS PER MIL-STD-348, Fig. 310-2 (SMA, FEMALE)

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz	_____
VSWR (MAX.) *	_____	DC TO 18.0 GHz	_____ 1.15
		18.0 TO 26.5 GHz	_____ 1.22
INSERTION LOSS (dB MAX.) *	_____	.035 dB x $\sqrt{\text{FGHz}}$	
NOMINAL IMPEDANCE (OHMS)	_____	50	
VOLTAGE RATING (MAX. VRMS)	_____	335	
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz	
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C	
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750	
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000	
CONTACT RESISTANCE			
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0	
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0	

\* TERMINATED IN A 50 OHM LOAD

This Document contains proprietary and confidential information.

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			INCORPORATED HAVERHILL, MA 01835
AA	03-2431	11/17/03	DC	DECIMALS	FRACTIONAL	ANGULAR	
AB	05-1213	2/17/05	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1'0" XX' ± 15'	
AC	13-2033	7/25/13	DC	DRAWN	BN	DATE 11/17/03	TITLE 2.4mm MALE TO SMA FEMALE ADAPTER
AD	18-2282	11/14/18	TS	APPROVED	DC	DATE 11/17/03	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 1100-1299-6200
				2J899			

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

MIN. AXIAL FORCE \_\_\_\_\_ 4.5 LBS.

MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) \_\_\_\_\_ INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ INTERFACE 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500

RECOMMENDED MATING TORQUE \_\_\_\_\_ 7 - 10 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 107, 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. ) ( 250 VRMS )

## 5. MATERIAL

BODY \_\_\_\_\_ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

INSULATOR \_\_\_\_\_ TEFLON PER ASTM-D-1710, TYPE 1, GRADE 1, CLASS B.

## 6. FINISH

BODY \_\_\_\_\_ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

CONTACT \_\_\_\_\_ GOLD PER ASTM-B-488, TYPE II, CODE C, CLASS 1.27  
(.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290  
CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418  
(.000010 MIN. THK.)

RETAINING RING & INSULATOR \_\_\_\_\_ N/A