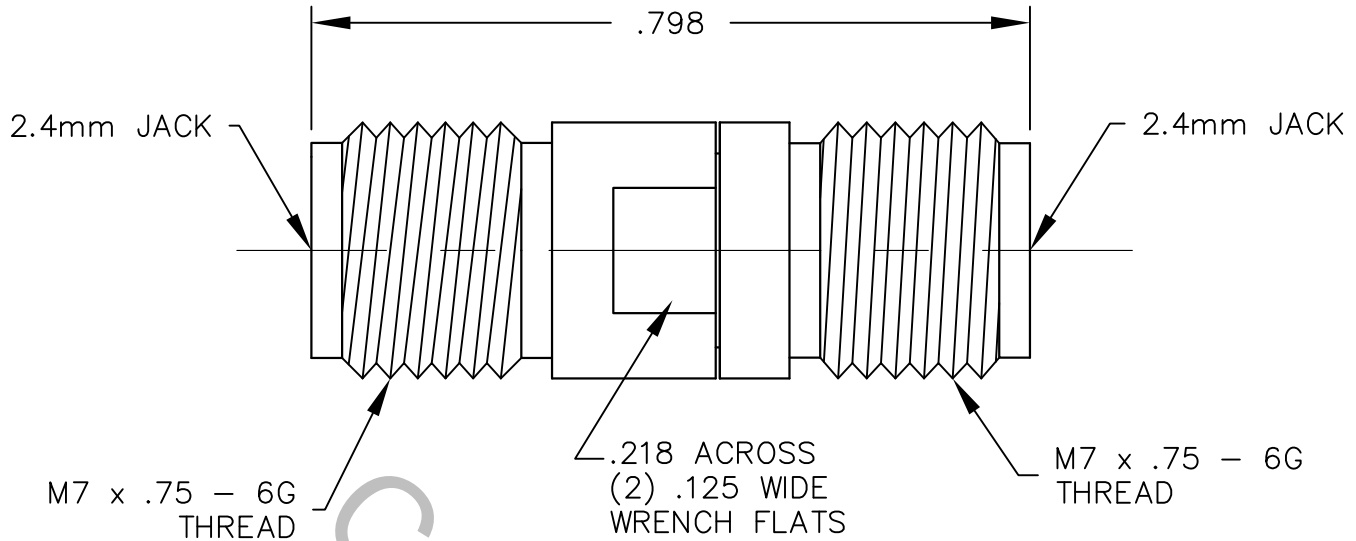


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR 2.4mm JACK per DYNAWAVE MD-13-2.4

## 2. ELECTRICAL

FREQUENCY RANGE GHz \_\_\_\_\_ DC TO 50.0 GHz.  
 VSWR (MAX.) \* \_\_\_\_\_ DC TO 18.0 GHz. \_\_\_\_\_ 1.08  
 18.0 - 26.5 GHz. \_\_\_\_\_ 1.20  
 26.5 - 40.0 GHz. \_\_\_\_\_ 1.35  
 40.0 - 50.0 GHz. \_\_\_\_\_ 1.40

INSERTION LOSS (dB MAX.) \_\_\_\_\_ .075 dB x  $\sqrt{FGHz}$   
 NOMINAL IMPEDANCE (OHMS) \_\_\_\_\_ 50  
 VOLTAGE RATING (MAX. VRMS) \_\_\_\_\_ 335  
 RF LEAKAGE (MIN. dB DOWN) \_\_\_\_\_ 100 dB - FGHz.  
 TEMPERATURE RATING (DEGREES CENTIGRADE) \_\_\_\_\_ -65° c TO + 85° 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

\* "GATED" TEST DATA

**RoHS**  
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 INCORPORATED HAVERHILL, MA 01835
AA	03-1966	8/4/03	DC	DECIMALS	FRACTIONAL	ANGULAR	
AB	05-1652	6/8/05	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1° 0' X ° X' ± 15'	
AC	06-2413	11/22/06	DC	DRAWN	DC	DATE 8/4/03	TITLE 2.4mm JACK TO 2.4mm JACK ADAPTER
AD	10-1469	5/11/10	DC	APPROVED	DC	DATE 8/4/03	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.
				2J899			1100-1313-6200

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

CAPTIVATION-CENTER CONTACT	
MAX.AXIAL FORCE	6.0 LBS.
MAX. RADIAL TORQUE	N/A
CENTER CONTACT MATING FORCES	
● INSERTION (MAX. OUNCES)	48.0
● WITHDRAWAL (MIN. OUNCES)	2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	1,000
RECOMMENDED MATING TORQUE	7 - 10 IN. LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL-STD-202, METHOD 102, COND. C ( -65° c TO + 85° 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. ) ( 190 VRMS )

## 5. MATERIAL

CONNECTOR BODIES	STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A
CONTACTS	BERYLLIUM COPPER PER ASTM B 196/B, 196M-03, COPPER ALLOY No. UNS C 17300, TEMPER TD04
INSULATOR	PLASTIC COMPOSIT

## 6. FINISH

CONNECTOR BODIES	PASSIVATE PER AMS-2700, TYPE 2, CLASS 4
CONTACTS	GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 0.75 (.000030-.000055 THK.) OVER NICKEL PER QQ-N-290, CLASS 1 (.000050-.000075 THK.) OVER COPPER PER MIL-C-14550, (.000010 MIN. THK.).
INSULATOR	N/A