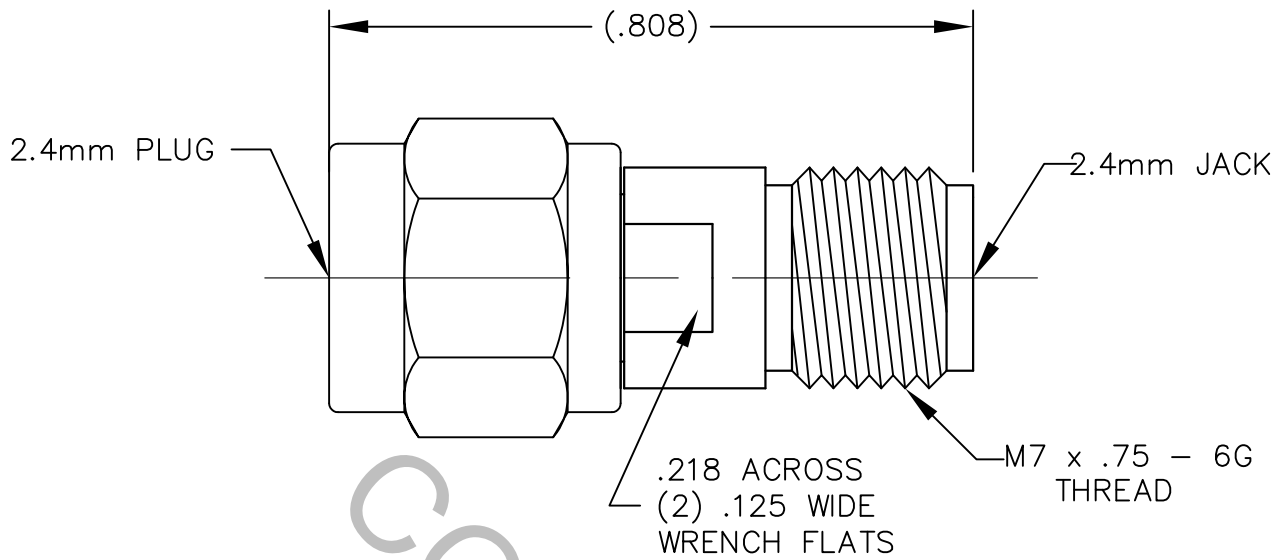


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS 2.4mm PLUG AND 2.4mm JACK PER DYNAWAVE MD-12-2.4 (PLUG) AND MD-13-2.4 (JACK).

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 GHz. — 1.35 40.0 - 50.0 GHz. — 1.40
INSERTION LOSS (dB MAX.)	.075 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 + 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			 HAVERHILL, MA 01835
AA	03-1966	8/4/03	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ±/64	ANGULAR X ° ± 9' 0" X ° X' ± 15'	
AB	05-1652	6/8/05	DC				TITLE 2.4mm PLUG TO 2.4mm JACK ADAPTER
AC	10-1065	1/21/10	DC	DRAWN DC	DATE 8/4/03		
				APPROVED DC	DATE 8/4/03		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 1100-1213-6200	

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 QQ-P-35, TYPE 2
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