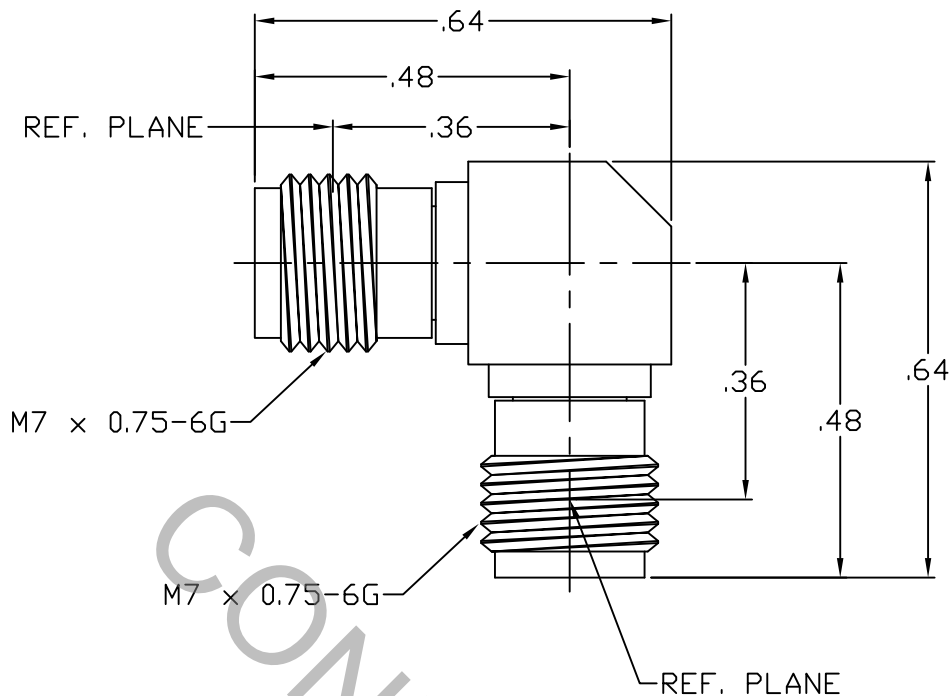


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS Per DYNAWAVE SPECIFICATION MD-13 (2.4MM, JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 50.0 GHz
VSWR (MAX) *	1.10 + .010 x FGHz
INSERTION LOSS (dB MAX) *	.065 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	170
RF LEAKAGE (MIN. dB DOWN)	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°C TO + 125°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	500
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	 HAVERHILL, MA 01835
AA	10-1236	3/4/10	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005 FRACTIONAL ± 1/64 ANGULAR X ° ± 1° 0' X ° X' ± 15'	TITLE 2.4mm JACK TO 2.4mm JACK, RIGHT ANGLE ADAPTER
				DRAWN ts DATE 3/4/10 APPROVED DC DATE 3/4/10	
				CODE IDENT. 2J899 SHEET 1 OF 2	
					DWG. NO. 1101-1313-6200

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 6.0 LBS.

MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ INTERFACE 32.0

● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) — 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65° c TO + 125° 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

BODIES AND CUBE _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A

CONTACTS _____ BERYLLIUM COPPER PER ASTM B196/B, 196-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.

INSULATOR _____ PLASTIC COMPOSIT

GASKET _____ SILICONE RUBBER PER ZZ-R-765

6. FINISH

BODIES, CUBE & COUPLING NUT _____ PASSIVATE PER AMS 2700, TYPE 2, CLASS 4.

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS .75
(.000030 MIN. THK.) OVER NICKEL per QQ-N-290
(.000050 MIN. THK.) OVER COPPER per MIL-C-14550
(.000010 MIN. THK.)

INSULATOR, GASKET & RETAINING RING _____ N/A