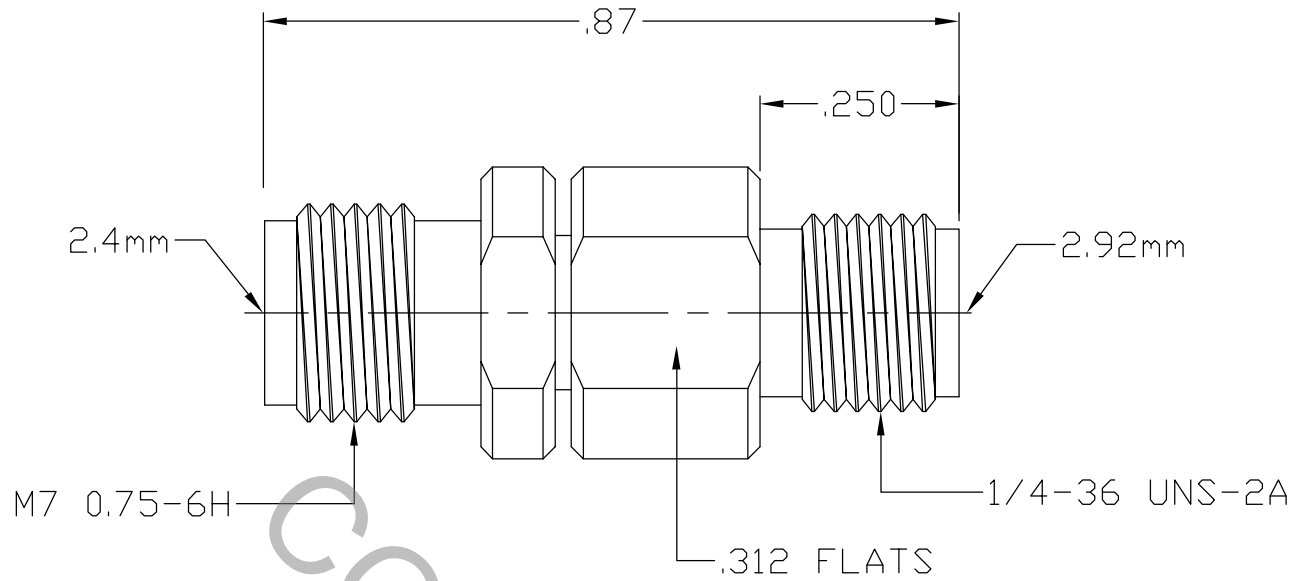


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS, 2.4mm PLUG Per DYNAWAVE SPECIFICATION MD-13.
INTERFACE DIMENSIONS, 2.9mm JACK Per DYNAWAVE SPECIFICATION MD-95.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 40.0 GHz	
VSWR (MAX.) *	DC - 18.0 GHz. ——— 1.10:1	
	18.0 - 26.5 GHz. ——— 1.14:1	
	26.5 - 40.0 GHz. ——— 1.29:1	
INSERTION LOSS (dB MAX.) *	.035 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 + 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	

* "GATED" TEST DATA

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERRILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	05-2066	10/18/05	DC	.X +.030	± 1/64	X ° ± 1'0"	
AB	06-2208	10/2/06	DC	.XX ± .010		X ° X' ± 15'	
				.XXX ± .005			
				DRAWN TS	DATE 10/18/05	TITLE 2.4mm JACK TO 2.9mm JACK ADAPTER	
				APPROVED DC	DATE 10/18/05		
				CODE IDENT.	SHEET 1 OF 2	DWG. NO. 1100-1395-6250	
				2J899			

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) _____ 32.0
● WITHDRAWAL (MIN. OUNCES) _____ 2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 1000
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.) (190 VRMS)

5. MATERIAL

BODIES _____ STAINLESS STEEL PER AMS 5640, TYPE 303, COND. A
CONTACTS _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS-C17300, TEMPER T004.
INSULATOR _____ PLASTIC COMPOSIT

6. FINISH

BODIES _____ PASSIVATE PER AMS QQ-P-35, TYPE 2
CONTACTS _____ 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 _____ N/A