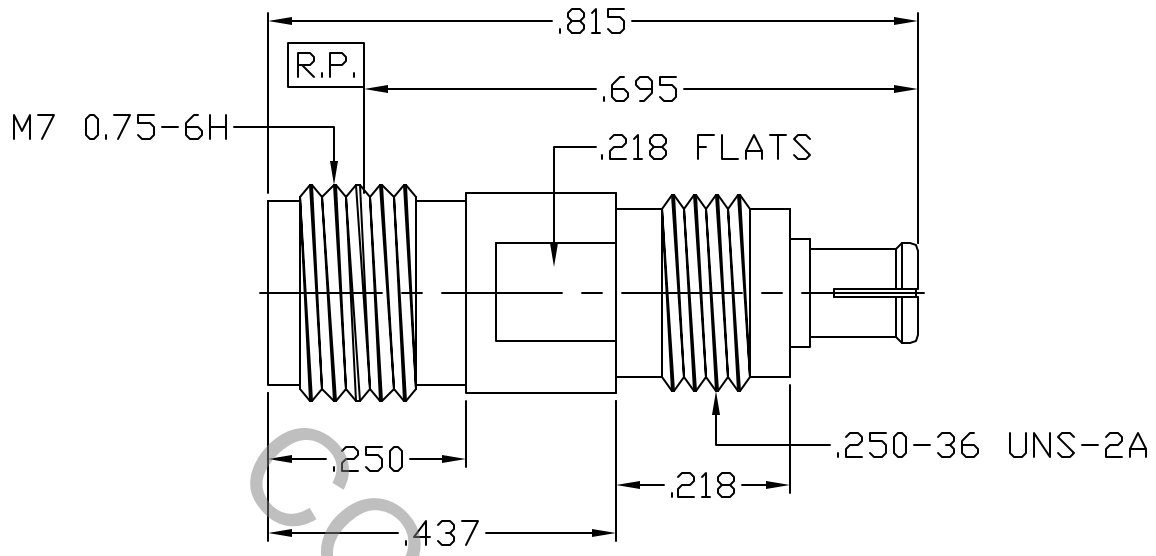
SPECIFICATION CONTROL DRAWING



1. MATING — INTERFACE DIMENSIONS Per DYNAWAVE MD-13 (2.4mm JACK) AND MIL-STD-348 Fig. 326.1 (SMP FEMALE).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 40.0 GHz
VSWR (MAX.) ❁	1.06 + .011 x FGHz
INSERTION LOSS (dB MAX.) ❁	.04 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX VRMS)	167
RF LEAKAGE (MIN. dB DOWN)	80 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)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❁ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	05-2065	10/18/05	DC

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ± .030 .XX ± .010 .XXX ± .005	±1/64	X° ± 1°0' X ° X' ± 16'

dynawave INCORPORATED
HAVERHILL, MA 01835

DRAWN DC	DATE 10/18/05
APPROVED DC	DATE 10/18/05

TITLE: 2.4mm JACK TO SMP FEMALE BULKHEAD ADAPTER

CODE IDENT.	SHEET 1 OF 2	DWG. NO.
2J899		1110-1320-5425

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT	
MAX AXIAL FORCE	4.5 LBS.
MAX. RADIAL TORQUE	N/A
CENTER CONTACT AXIAL FORCES	
• INSERTION (MAX. OUNCES)	2.4mm & SMP 32.0
• WITHDRAWAL (MIN. OUNCES)	2.4mm 2.0, SMP 1.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.)	2.4mm 2.0, SMP 15 MAX.
CONNECTOR DURABILITY (MIN. CYCLES)	500
RECOMMENDED MATING TORQUE	2.4mm, 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

BODY & CONTACT	BERYLLIUM COPPER PER ASTM B196–90, COPPER ALLOY No. UNS–C17300, TEMPER TD04.
2.4mm INSULATOR	PLASTIC COMPOSIT
SMP INSULATOR	TEFLON PER ASTM D 4894–91.

6. FINISH

BODY	GOLD PER ASTM B 488, TYPE II, CODE C, CLASS 1.25 (.000050 MIN. THK.) OVER NICKEL per QQ–N–290 (.000100 MIN. THK.) OVER COPPER per MIL–C–14550 (.000040 MIN. THK.)
CONTACT	GOLD PER ASTM B 488, TYPE II, 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.)
INSULATORS	N/A