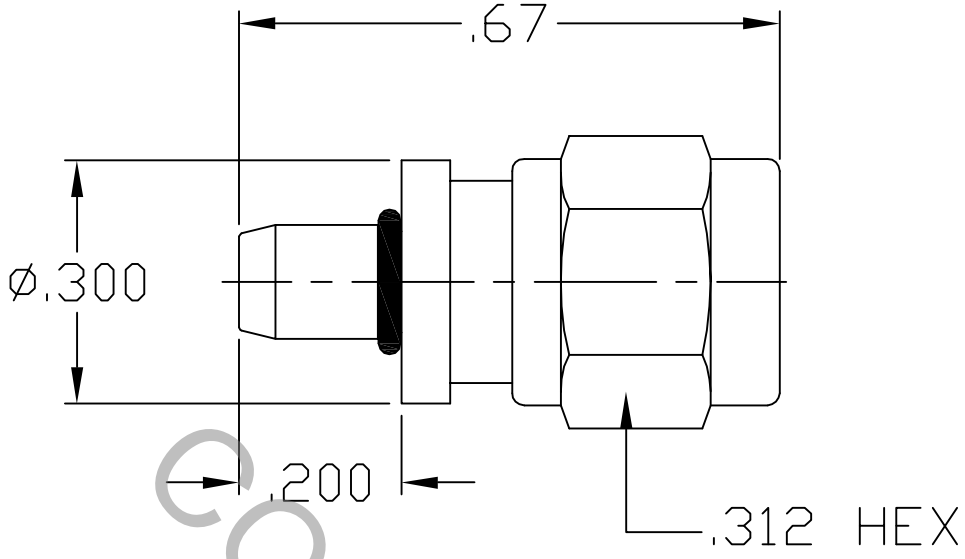
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 310.1) SMA MALE AND DYNAWAVE MD-26, BMAM MALE

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz.
VSWR (MAX.) ❋	1.06 + .007 x FGHz.
INSERTION LOSS (dB MAX.) ❋	.035 dB x $\sqrt{FGHz}$.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	−100 dB − FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65° c TO +150° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
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	04-1546	4/29/04	DC
AB	06-1548	4/26/06	DC

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: .X ±.030, .XX ±.010, .XXX ±.005
FRACTIONAL: ±1/64
ANGULAR: X° ±1°0', X°X ±15'
SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL MA. 01835

DRAWN TS DATE 4/29/04
APPROVED DC DATE 4/29/04

TITLE: BMAM PLUG TO SMA PLUG ADAPTER

CODE IDENT. 2J899
SHEET 1 OF 2
DWG. NO. 1100-2698-6250

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MIN. AXIAL FORCE — 4.0 LBS.
- MIN. RADIAL TORQUE — N/A

SMA ENGAGEMENT FORCES
- INSERTION (MAX. OUNCES) — 48.0
- WITHDRAWAL (MIN. OUNCES) — 2.0

BMAM
- INSERTION (MAX OUNCES) — 48.0
- WITHDRAWAL (MIN. OUNCES) — 4.0

CONNECTOR DURABILITY (MIN. MATING) — 500

SMA MATING TORQUE — 7–10 IN–LB

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 ° c TO + 165 °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)

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5. MATERIAL

CENTER CONTACT, RETAINING RING	BERYLLIUM COPPER PER ASTM B196–90, COPPER ALLOY No. UNS C17300, TEMPER TD04.
CONNECTOR BODY, COUPLING NUT, AND	STAINLESS STEEL PER ASTM A 582 , TYPE 303 , COND.A
INSULATOR	TEFLON PER D 1710
GASKET	SICONE RUBBER PER ZZ–R–765C, CLASS 1
O–RING	NITRILE (BUNA–N) PER MIL–P–25732

6. FINISH

BODY, COUPLING NUT, JAM NUT LOCKWASHER	PASSIVATE PER AMS QQ–P–35, TYPE 2
CENTER CONTACT	GOLD PER ASTM–B–488, TYPE I, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER NICKEL PER QQ–N–290 (.000050 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000010 MIN. THK.)
INSULATOR, O–RING, GASKET AND RETAINING RING	N/A