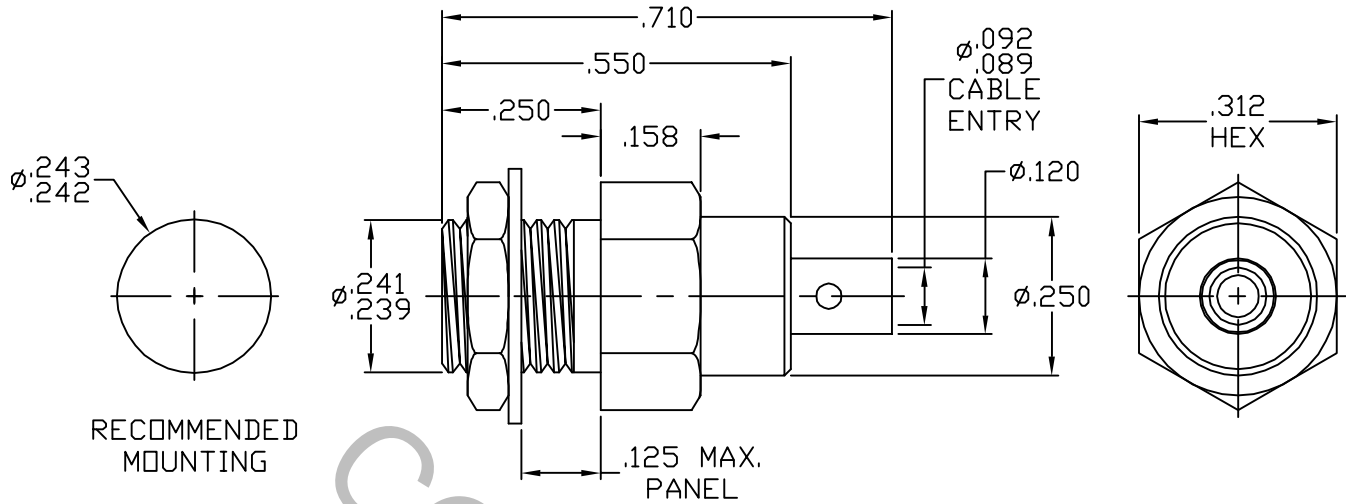


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per DYNAWAVE MD-65 (BMAM JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 28.0 GHz
VSWR (MAX) *	1.05 + .010 x FGHz
INSERTION LOSS (dB MAX) *	.04 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	335
RF LEAKAGE (MIN. dB DOWN) FULLY MATED ONLY	-90 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°C TO + 125°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	675
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	3.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			HAVERHILL, MA 01835
AA	06-2323	10/31/06	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1'0" X ° X' ± 15'	
				DRAWN DC	DATE 10/31/06	TITLE BMAM (OSSP) JACK BULKHEAD MOUNT DIRECT SOLDER TO Ø.085 SEMI-RIGID CABLE	
				APPROVED DC	DATE 10/31/06		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 6510-8521-6450	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
MAX AXIAL FORCE _____ 4.0 LBS.
MAX RADIAL TORQUE _____ N/A
CENTER CONTACT AXIAL FORCES
● INSERTION (MAX OUNCES) _____ INTERFACE 32.0
● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0
CONNECTOR ENGAGEMENT (MAX IN LBS.) _____ 3.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

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.) (250 VRMS)

5. MATERIAL

BODY & HEXNUT _____ STAINLESS STEEL PER ASTM-A-581, TYPE 303, COND. A
CONTACT & SPRING FINGERS _____ BERYLLIUM COPPER PER ASTM-B196-90, COPPER ALLOY
No. UNS-C17300, TEMPER TD04.
LOCKWASHER _____ STAINLESS STEEL PER ASTM-A-582, TYPE 410
INSULATOR _____ TEFLON PER ASTM-D-1710

6. FINISH

BODY _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL per QQ-N-290
(.000150 MIN. THK.) OVER COPPER per MIL-C-14550
(.000010 MIN. THK.)
HEXNUT & LOCKWASHER _____ PASSIVATE PER AMS QQ-P-35, TYPE 2
CONTACT & SPRING FINGERS _____ 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 _____ N/A