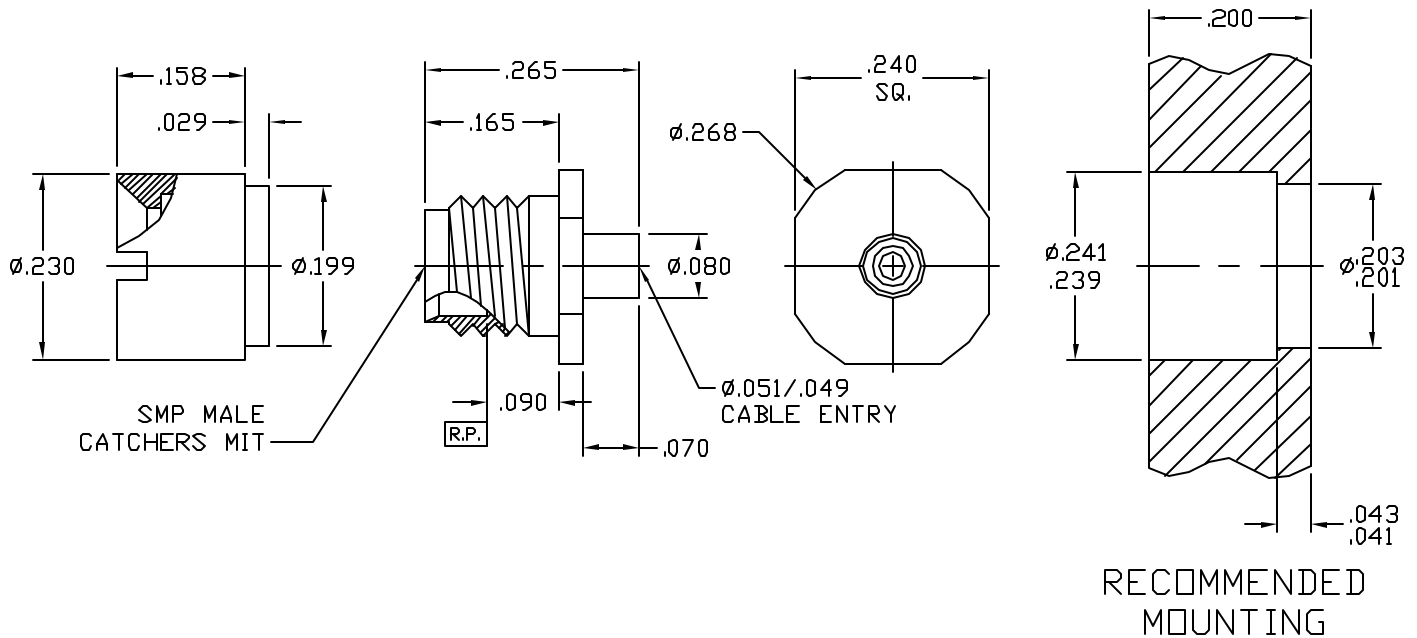


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, FIG. 326-5

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 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)	_____	125
RF LEAKAGE (MIN. dB DOWN)	_____	-85 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65° c TO +150° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	375
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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	<small>INCORPORATED</small> HAVERHILL MA. 01835
AA	05-1890	9/1/05	DC	DECIMALS FRACTIONAL ANGULAR X ± .030 .XX ± .010 † 1/64 XXX ± .005 SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.	
AB	05-2114	10/27/05	DC		
				DRAWN DC DATE 9/1/05	TITLE SMP MALE (SBCM) BULKHEAD MOUNT DIRECT SOLDER TO Ø.047 S/R CABLE
				APPROVED DC DATE 9/1/05	
				CODE IDENT.	DWG. NO. 2119-4721-6201
				2J899	
				SHEET 1 OF 2	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.5 LBS.
- MIN. RADIAL TORQUE _____ N/A

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ N/A
- WITHDRAWAL (MIN. OUNCES) _____ N/A

CONNECTOR DURABILITY (MIN. MATING) _____ 1000

CONNECTOR INSTALLATION / REMOVAL FORCE

- INSERTION (MAX. LBS) _____ 2.0
- WITHDRAWAL (MIN. LBS) _____ 0.5

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.) (24 VRMS)

5. MATERIAL

BODY (FULL DETENT) AND SHROUD _____ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A

CONTACT _____ BERYLLIUM COPPER PER QQ-C-630, ALLOY 173, COND. HT.

INSULATOR _____ TEFLON PER D1457

REAR INSULATOR _____ TORLON 4023

6. FINISH

SHROUD _____ PASSIVATED PER QQ-P-35D, TYPE VI

BODY AND CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE, CLASS 1.25
(.000050 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.000050 MIN.) OVER COPPER PER MIL-C-14660 (.000010 MIN.)

INSULATORS _____ N/A