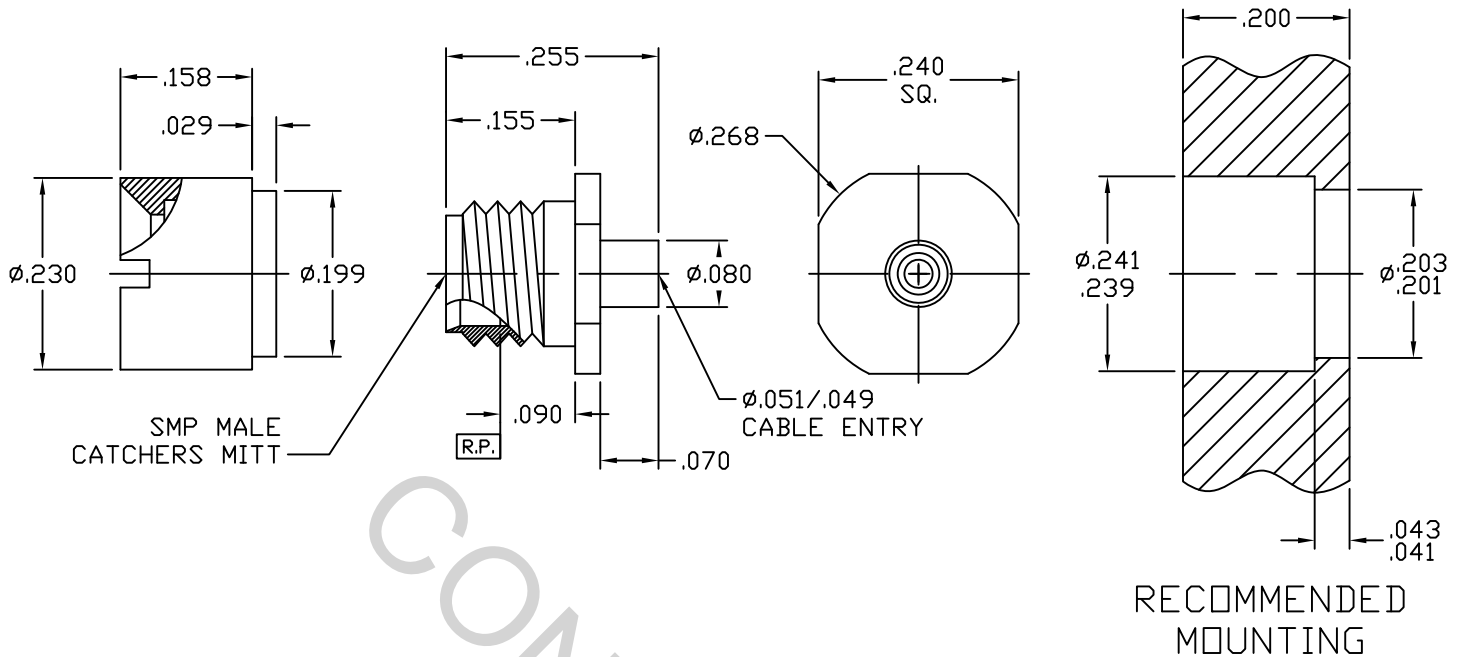


SPECIFICATION CONTROL DRAWING



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

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz
VSWR (MAX.) *	$1.05 + .010 \times \text{FGHz}$
INSERTION LOSS (dB MAX.) *	$.04 \text{ dB} \times \sqrt{\text{FGHz}}$
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

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES				 INCORPORATED HAVERHILL MA. 01835	
AA	06-1927	8/1/06	DC	DECIMALS	FRACTIONAL	ANGULAR			
AB	07-1525	5/16/07	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'			
				SURFACE ROUGHNESS 63✓ MIL-STD 10.					
AC	17-1175	2/3/17	DC	DRAWN DC DATE 8/1/06				TITLE SMP MALE (SBCM) BULKHEAD MOUNT DIRECT SOLDER TO Ø.047 S/R CABLE	
AD	18-2229	11/5/18	DC						
				APPROVED TS DATE 8/1/06					
				CODE IDENT. 2J899		SHEET 1 OF 2		DWG. NO. 2119-4721-6205	

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

- ASSEMBLY TORQUE OF BODIES _____ 6.0 TO 8.0 IN./LBS.

CONNECTOR INSTALLATION / REMOVAL FORCE.

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

RECOMMENDED MATING TORQUE _____ 6.0 TO 8.0 IN./LBS.

RECOMMENDED TORQUE TOOL _____ 9-20231-09

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.) (94 VRMS)

5. MATERIAL

BODY (FULL DETENT) AND SHROUD _____ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND A.

CONTACT _____ BERYLLIUM COPPER PER ASTM-B196/B 196M-03 COPPER
ALLOY NO. UNS-C17300.

INSULATOR _____ TEFLON PER ASTM-D-1710, TYPE 1, GRADE 1, CLASS B.

REAR INSULATOR _____ TORLON 4023

6. FINISH

SHROUD _____ PASSIVATED PER AMS-2700, TYPE 2, CLASS 4.

BODY AND CONTACT _____ GOLD PER ASTM-B-488, TYPE II, CODE, CLASS 1.27
(.000050 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1
(.000050 MIN.) OVER COPPER PER AMS-2418 (.000010 MIN.)

INSULATORS _____ N/A