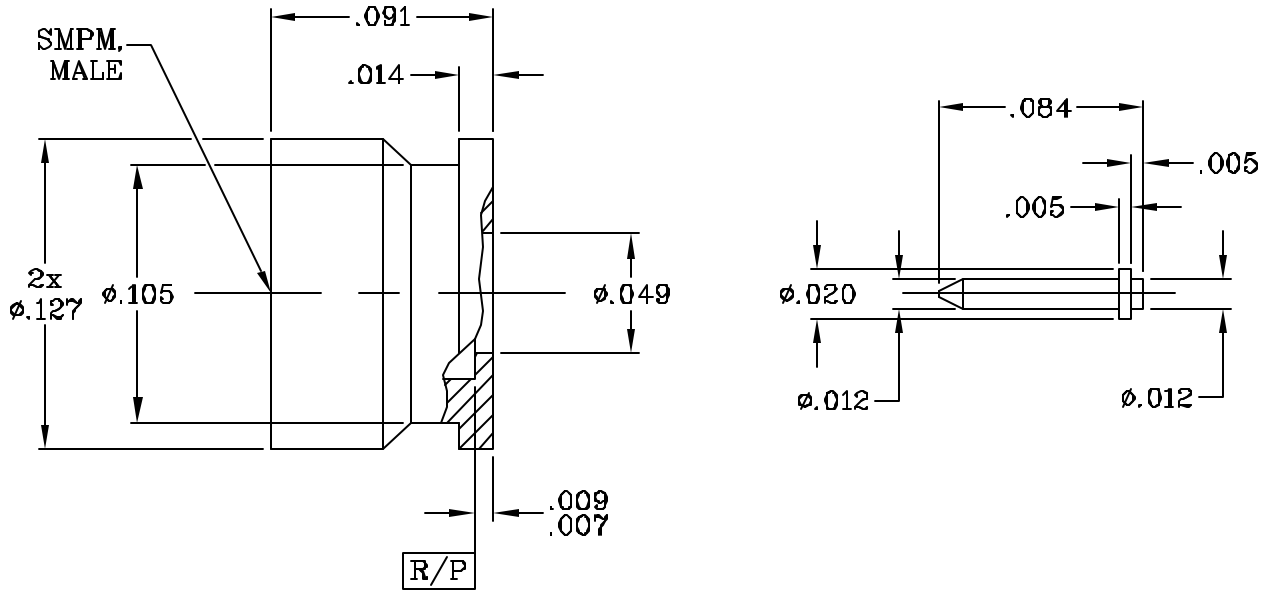


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348-328.2.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 12.5 GHz.
VSWR (MAX) *	1.10 + .015 x FGHZ.
INSERTION LOSS (dB MAX)	.04dB x \sqrt{FGHZ}
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX VRMS)	125
RF LEAKAGE (MIN. dB DOWN)	N/A
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65 ° c TO +165 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX VRMS)	375
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	4.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01836
				DECIMALS	FRACTIONAL	ANGULAR	
AA	04-1398	3/29/04	DC	X+.030 XX±.010 XXX±.005	±1/64	X°±1'0" X'X'±15'	TITLE SMPM, MALE (DETENT) SURFACE MOUNT
				SURFACE ROUGHNESS 88 $\sqrt{MIL-STD 10}$.			
				DRAWN DC DATE 3/29/04			
				APPROVED DC DATE 3/29/04			DWG. NO. 3120-0390-6403
				CODE IDENT.	SHEET 1 OF 2		
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MAX. AXIAL FORCE _____ N/A
- MAX. RADIAL TORQUE _____ N/A

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. LBS.) _____ 4.5 LBS. MAX.
- WITHDRAWAL (MIN. LBS.) _____ 6.5 LBS. MIN.

CONNECTOR DURABILITY _____ 500

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-85 °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 108, 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

SHROUD _____ STAINLESS STEEL PER ASTM A 361, FREE MACHING
TYPE 303, COND. A

CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER
ALLOY NO. UNS C17300, TEMPER T004.

6. FINISH

SHROUD _____ GOLD PER ATSM B 48B, TYPE 1, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER QQ-N-290
(.000150 MIN. THK.) OVER NICKEL (WOODS OF WATTS),
(.000010 MIN. THK.)

CENTER CONTACT _____ GOLD PER ATSM B 48B, TYPE 1, CODE C, CLASS 2.6
(.000010 MIN. THK.) OVER NICKEL PER QQ-N-290,
(.000050 MIN. THK.) OVER COPPER PER MIL-C-14550
(.000010 MIN. THK.)