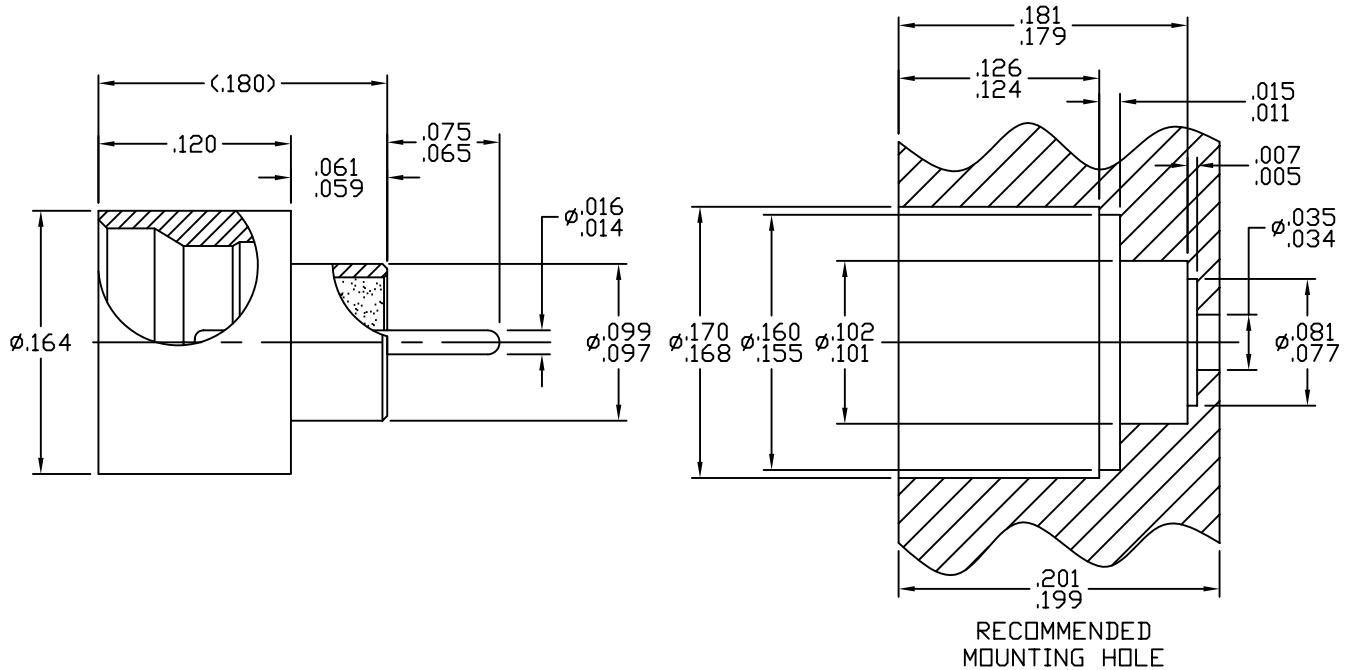


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD 348, FIG. 326.3
SMP, MALE

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 39.0 GHz.
VSWR (MAX) *	_____	1.05 + .008 x FGHz.
INSERTION LOSS (dB MAX) *	_____	.045 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	170
RF LEAKAGE (MIN. dB DOWN)	_____	N/A
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65 ° c TO +165 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	10.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			dynawave INCORPORATED HAVERHILL, MA 01835
AA	06-1804	6/29/06	TS	DECIMALS .X +.030 .XX ±.010 .XXX ±.005	FRACTIONAL ±/64	ANGULAR X ° ± 1 0' X ° X' ± 15'	
				SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.			
				DRAWN TS	DATE 6/29/06	TITLE SMP, MALE (LIMITED DETENT) HERMETICALLY SEALED SHROUD SOLDER MOUNT	
				APPROVED DC	DATE 6/29/06		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 2147-0435-7407	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 4.5 LBS.
- MIN. RADIAL TORQUE _____ 2.5 IN. OZ.

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 10.0 LBS.
- WITHDRAWAL (MIN. OUNCES) _____ 2.0 LBS.

CONNECTOR DURABILITY (MIN. MATING) _____ 250

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° c TO + 200 ° 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.) (125 VRMS)
HERMETICITY _____ 1×10^{-8} cc/SEC.

5. MATERIAL

CONNECTOR BODY AND GLASS PIN _____ KOVAR PER MIL-I-23011
GLASS _____ CORNING 7070

6. FINISH

CONNECTOR BODY AND GLASS PIN _____ GOLD PER ATSM B 488, TYPE 1, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER QQ-N-290,
CLASS 1, (.000150 MIN. THK.) OVER COPPER PER
MIL-C-14550, (.000010 MIN. THK.)

GLASS _____ N/A