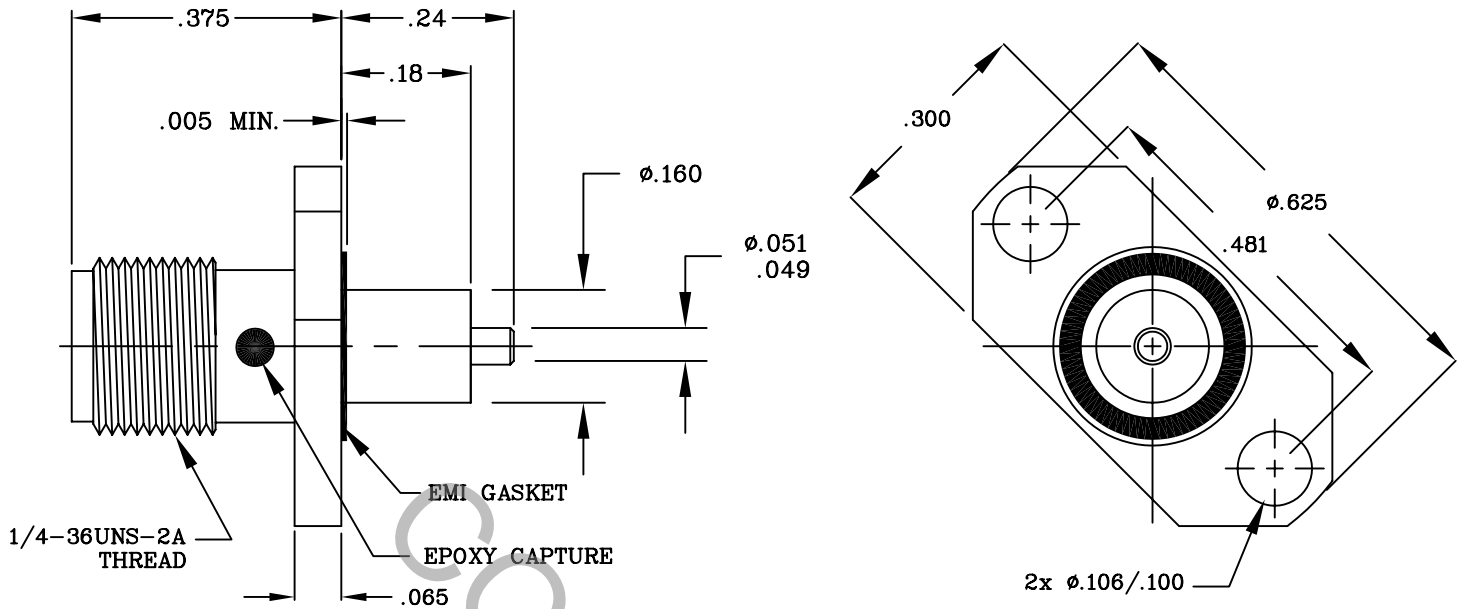


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, (Fig. 310.2), SMA, JACK AND DYNAWAVE SPECIFICATION MD-99.

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz.
VSWR (MAX.) *	_____	1.05 + .008 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.040 dB x $\sqrt{\text{FGHz}}$.
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	335
RF LEAKAGE (MIN. dB DOWN)	_____	90 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65 °c TO + 150 °c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
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			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	06-2172	9/20/06	TS	.X ±.030 .XX ±.010 .XXX ±.005	±/64	X ° ±1 0' X ° X' ±15'	TITLE SMA, JACK 2 HOLE FLANGE MOUNT STRAIGHT TERMINAL WITH EMI GASKET
AB	06-2180	9/25/06	TS				
				DRAWN TS	DATE 9/20/06		
				APPROVED DC	DATE 9/20/06		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 9952-0732-2400	

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
MAX. AXIAL FORCE _____ 6.0 LBS.
MAX. RADIAL TORQUE _____ 4.0 IN. OZ.
CENTER CONTACT AXIAL FORCES
● INSERTION (MAX. OUNCES) _____ 48.0
● WITHDRAWAL (MIN. OUNCES) _____ 2.0
CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. IN. LBS.) _____ 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65° c TO + 185° c)
SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)
VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (2D 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 _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000
CONTACT _____ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY
UNS C 17800, TEMPER T004
INSULATOR _____ TEFLON PER ASTM D 1710
EMI GASKET _____ SILVER PLATED ALUMINUM IN SILICONE RUBBER

6. FINISH

BODY _____ GOLD PER ATSM B 488, TYPE I, CODE C, CLASS 0.5
(.000020 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000050 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000040 Minimum Thickness).
CONTACT _____ GOLD per MIL-C-45204, TYPE II, GRADE C, CLASS 2
(.000020 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000050 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000040 Minimum Thickness).
INSULATOR AND EMI GASKET _____ N/A