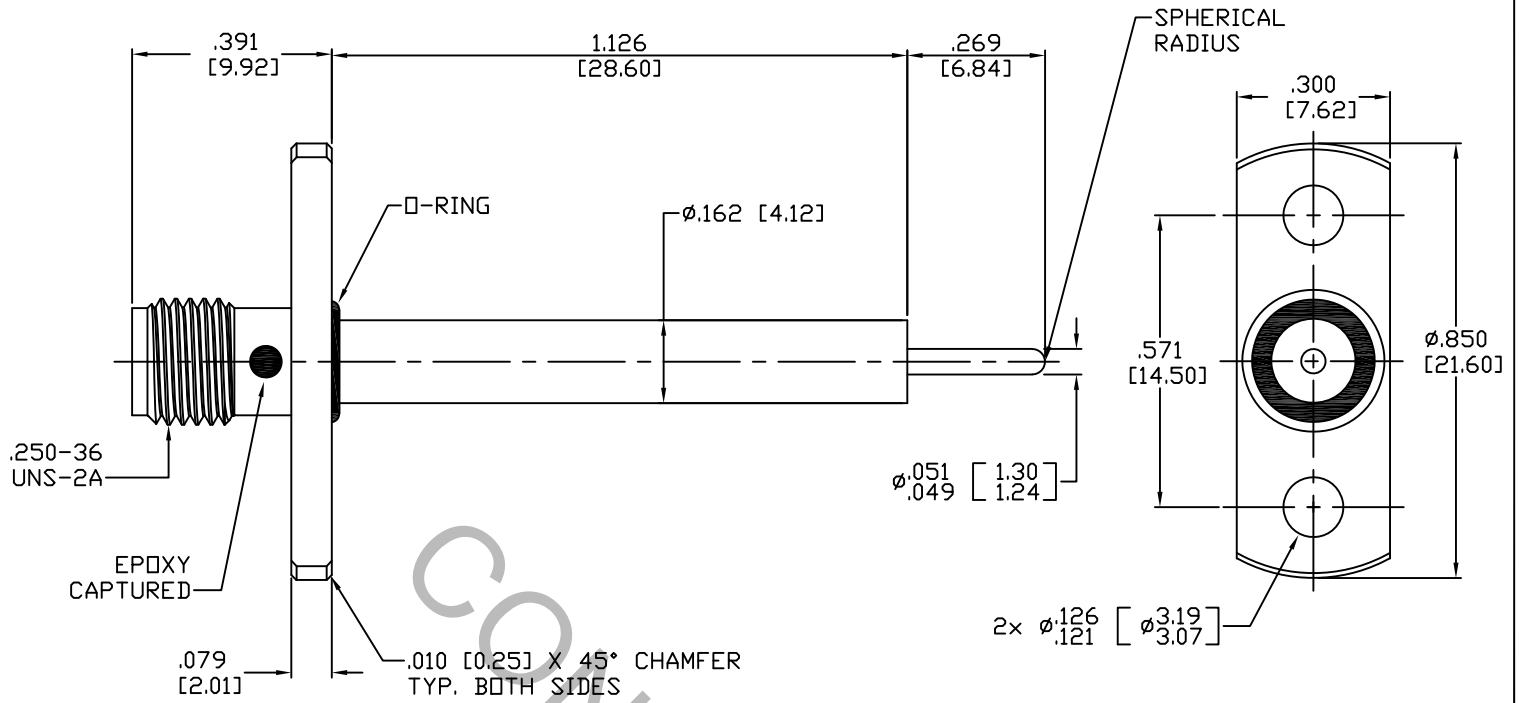


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A, (Fig. 310.2), (SMA, JACK)


2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 5.0 GHz.
VSWR (MAX.) *	_____	1.05 + .005 x FGHz.
INSERTION LOSS (dB MAX.)	_____	.040 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	-90 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1000
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	2.0
• 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	 HAVERHILL, MA 01835
AA	10-1521	6/1/10	TS	DECIMALS FRACTIONAL ANGULAR .X [±] .030 X ± 10° .XX [±] .010 ± 1/64 X X' ± 15° .XXX [±] .005	
AB	18-1979	9/05/18	TS		
				DRAWN TS DATE 6/1/10	TITLE SMA, JACK 2 HOLE FLANGE STRAIGHT PIN TERMINAL
				APPROVED DC DATE 6/1/10	
				CODE IDENT. 2J899	DWG. NO. 9952-0632-5700
				SHEET 1 OF 2	

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) _____ 32.0
● 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 + 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.) (VRMS) 190

5. MATERIAL

BODY AND CENTER CONTACT _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS-C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.
O'RING _____ NITRILE (BUNA-N) PER MIL-P-25732 (BLACK)

6. FINISH

BODY _____ ELECTROLESS NICKEL PER MIL-C-26074, CLASS 3 OR 4, GRADE A.
CONTACT _____ GOLD PER ASTM-B-488, TYPE II, CODE C, CLASS 1.25
(.000050 Min. Thk.) OVER NICKEL per SAE AMS QQ-N-290, CLASS 1
(.000050 Min. Thk.) OVER COPPER per AMS 1248
(.000010 Min. Thk.).
INSULATOR AND O'RING _____ N/A