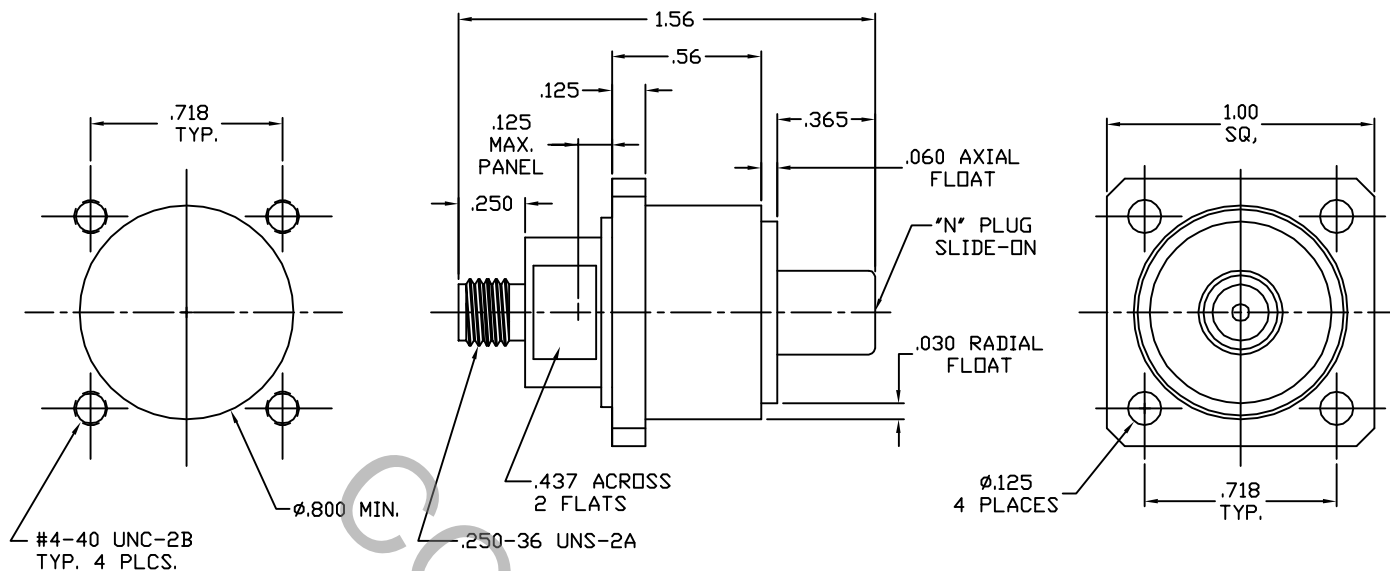


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 310.2 (SMA, JACK) AND INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 304.1 (TYPE "N" PLUG)

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 6.0 GHz
VSWR (MAX.) *	_____	1.35 : 1
INSERTION LOSS (dB MAX.) *	_____	.08 dB x \sqrt{FGHz}
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	325
RF LEAKAGE (MIN. dB DOWN)	_____	-65 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	4.5
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERRILL, MA 01835
AA	06-1835	7/13/06	TS	DECIMALS	FRACTIONAL	ANGULAR	
AB	06-2305	10/23/06	DC	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1'0" X ° X' ± 15'	
				DRAWN TS	DATE 7/12/06		
				APPROVED DC	DATE 7/12/06		TITLE SMA, JACK TO TYPE "N", PLUG SLIDE ON 4 HOLE FLOATING FLANGE MOUNT ADAPTER
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 1164-7499-6200
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
MAX AXIAL FORCE _____ 6.0 LBS.
MAX RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES
● INSERTION (MAX OUNCES) _____ INTERFACE 32.0
● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX IN. LBS.) — 2.0
CONNECTOR DURABILITY (MIN. CYCLES) _____ 1,000
RECOMMENDED MATING TORQUE (SMA) _____ 7 - 10 IN. LBS.
AXIAL PRE-LOAD FORCE _____ 3 - 5 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.) (250 VRMS)

5. MATERIAL

BODY, FLOAT FLANGE AND COMPRESSION SPRING _____ STAINLESS STEEL PER ASTM 581, TYPE 303, COND. A
CONTACT _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS-C17300, TEMPER TD04.
INSULATOR _____ TEFLON PER ASTM D 1710

6. FINISH

BODY, FLOAT FLANGE AND COMPRESSION SPRING _____ PASSIVATE PER AMS QQ-P-35, TYPE 2.
CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 2.5
(.000100 MIN. THK.) OVER NICKEL per QQ-N-290
(.000050 MIN. THK.) OVER COPPER per MIL-C-14550
(.000010 MIN. THK.)
INSULATOR _____ N/A