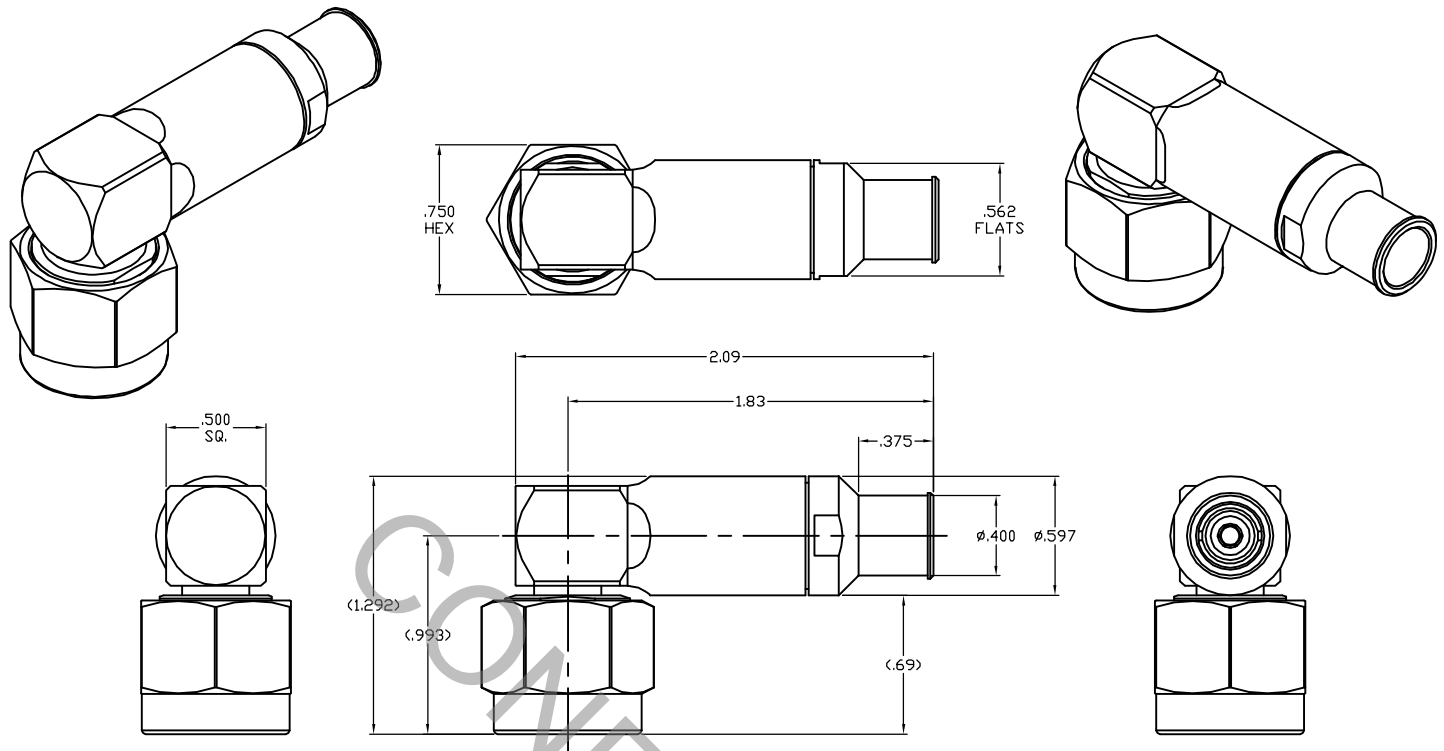


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 304.1 (N PLUG). WITH SOLID OUTER

2. ELECTRICAL

FREQUENCY RANGE GHz _____ DC TO 18.0 GHz
 VSWR (MAX.) * _____ $1.05 + .006 \times \sqrt{\text{FGHz}}$
 INSERTION LOSS (dB MAX.) * _____ $.05 \text{ dB} \times \text{FGHz}$
 NOMINAL IMPEDANCE (OHMS) _____ 50
 VOLTAGE RATING (MAX. VRMS) _____ 333
 RF LEAKAGE (MIN. dB DOWN) _____ $-100 \text{ dB} - \text{FGHz}$
 TEMPERATURE RATING (DEGREES CENTIGRADE) _____ $-65^{\circ}\text{C TO } +165^{\circ}\text{C}$
 DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS) _____ 1,000
 INSULATION RESISTANCE (MIN. MEGOHMS) _____ 5,000
 CONTACT RESISTANCE
 • CENTER CONTACT (MAX. MILLIOHMS) _____ 6.0
 • OUTER CONTACT (MAX. MILLIOHMS) _____ 2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 Haverhill, MA 01835
AA	12-1931	10/11/12	DC	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1' 0" X ° X' ± 15'	
				DRAWN RMS	DATE	10/10/12	TITLE N PLUG, RIGHT ANGLE, SOLDER CLAMP, PLUG-IN CONTACT, DF218 CABLE
				APPROVED DC	DATE	10/11/12	
				CODE IDENT.	SHEET 1 OF 2		
				6DZL5			DWG. NO. 7401-218H-6240

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX. AXIAL FORCE _____ 4.5 LBS.

MAX. RADIAL TORQUE _____ 4.0 OZS.

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ N/A

● WITHDRAWAL (MIN. OUNCES) _____ N/A

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 15 - 18 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 107, 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, BUSHING, COUPLING NUT & CLAMP NUT _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACTS & RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER
ALLOY No. UNS-C17300, TEMPER TD04.

INTERFACE INSULATOR _____ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B.

GASKET & O-RING _____ SILICONE RUBBER PER ZZ-R-765.

SUPPORT INSULATOR _____ PLASTIC COMPOSITE

SOLDER SLEEVE _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.

6. FINISH

BODY, BUSHING, COUPLING NUT & CLAMP NUT _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

SOLDER SLEEVE _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290
CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS)
(.000010 MIN. THK.)

CONTACTS _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 0.75
(.000030 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290
CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418
(.000010 MIN. THK.)

INSULATORS, RETAINING RING, GASKET & O-RING _____ N/A