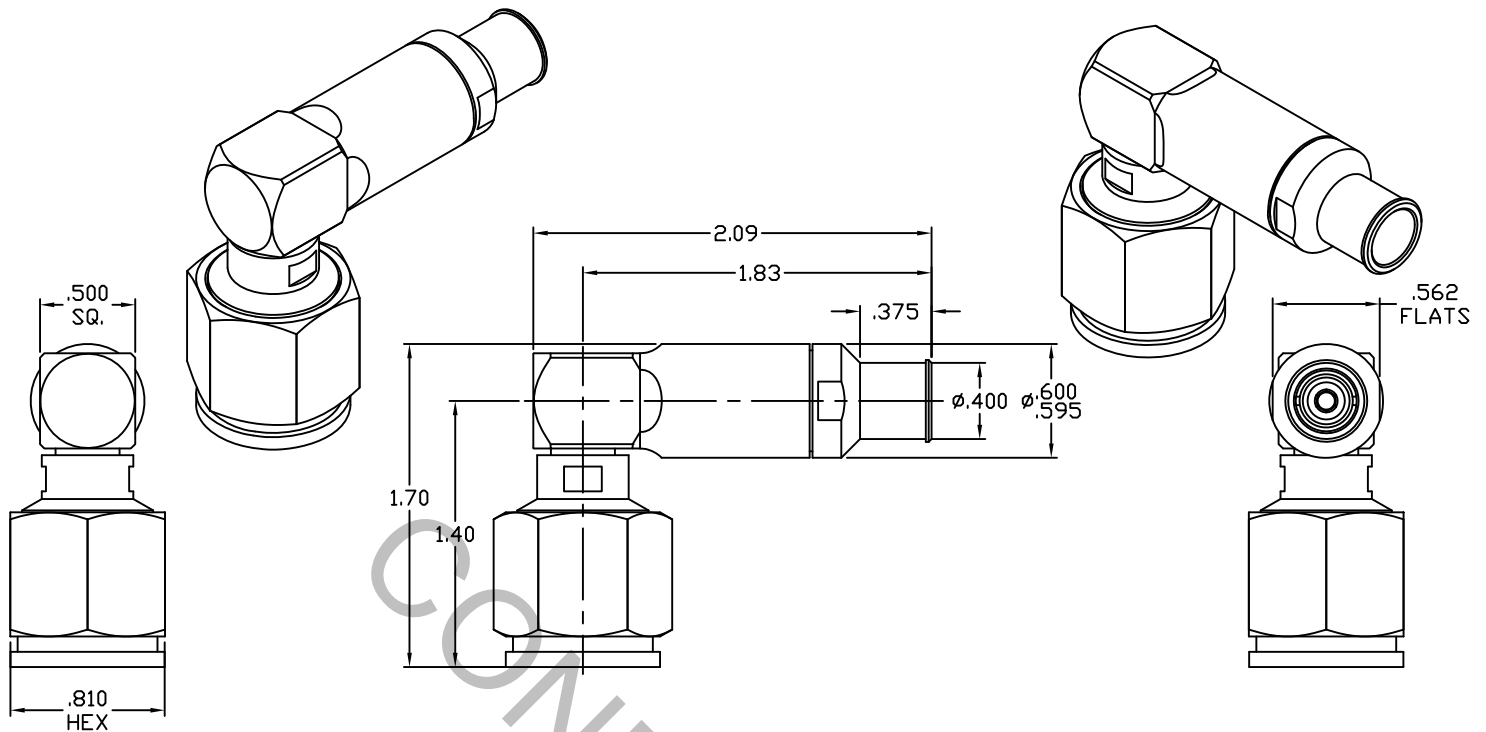


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 309.1 (SC PLUG).


2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 10.0 GHz
VSWR (MAX) *	1.06 + .005 x FGHz
INSERTION LOSS (dB MAX) *	.06 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	500
RF LEAKAGE (MIN. dB DOWN)	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	1.0

* 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	17-1957	8/9/17	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1° 0' X ° X' ± 15'	
				DRAWN	RMS	DATE	8/9/17
				APPROVED	DC	DATE	8/9/17
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 7801-118H-6240
				6DZL5			

TITLE
SC PLUG, RIGHT ANGLE,
SO/CLAMP, PLUG-IN CTC,
DF118 LOW LOSS

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) _____ N/A
 ● WITHDRAWAL (MIN. OUNCES) _____ N/A
 CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0
 CONNECTOR DURABILITY (MIN. CYCLES) _____ 500
 RECOMMENDED MATING TORQUE _____ 20 - 23 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.) (375 VRMS)

5. MATERIAL

BODY, COUPLING NUT, CLAMP NUT, BUSHINGS & _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
 PRESS SLEEVE
 CONTACTS & RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER
 ALLOY No. UNS-C17300, TEMPER TD04.
 INSULATORS _____ TEFLON PER ASTM-D-1710, TYPE 1, GRADE 1, CLASS B.
 INSULATOR BEAD _____ CROSS LIKED POLYETHYLENE
 GASKET & O-RINGS _____ SILICONE RUBBER PER ZZ-R-765.
 SOLDER SLEEVE _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.

6. FINISH

BODY, COUPLING NUT, CLAMP NUT, BUSHINGS & _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.
 PRESS SLEEVE
 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 COPPER PER AMS-2418
 (.000010 MIN. THK.)
 INTERFACE CONTACTS _____ 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 (.000050 MIN. THK.) OVER COPPER PER AMS-2418
 (.000010 MIN. THK.)
 INTERNAL 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-RINGS _____ N/A