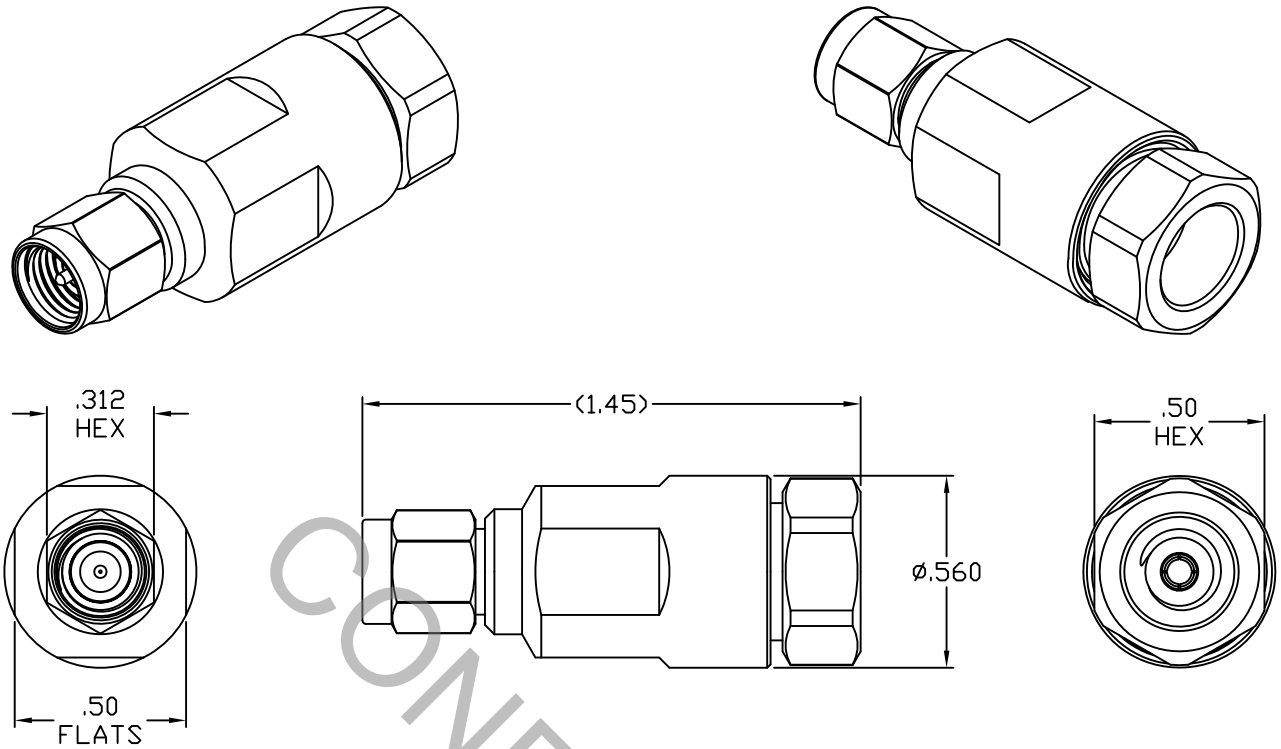


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 310.4 (SMA PLUG).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 6.0 GHz
VSWR (MAX.) *	_____	1.18 + .022 x FGHz
INSERTION LOSS (dB MAX.) *	_____	.07 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	333
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°c TO + 125°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	5,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.5

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
AA	05-1962	6/10/98	GL	DECIMALS	FRACTIONAL	ANGULAR	
AB	10-1825	9/7/10	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1° 0' X ° X' ± 15'	
AC	10-1828	9/21/10	DC	DRAWN	AJH	DATE	6/10/98
				APPROVED	GL	DATE	6/10/98
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.
				2J899			9800-2502-6200
				TITLE			SMA PLUG CLAMP ATTACHMENT TO SUPERFLEX® FSJ1RN-50A

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ N/A

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 _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 107, COND. C (-65° c TO + 125° 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, COUPLING NUT, BUSHING & CLAMP NUT _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.

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

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

GASKET _____ SILICONE RUBBER PER ZZ-R-765.

TUBING _____ PER MIL-DTL-23053/4 CLASS 3

6. FINISH

BODY, COUPLING NUT, BUSHING & CLAMP NUT _____ TRI-METAL ALLOY, 55%-60% COPPER OVER 25%-28% TIN OVER 14%-18% ZINC.

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.25 (.000050 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.)

INSULATOR, GASKET, RETAINING RING & TUBING _____ N/A