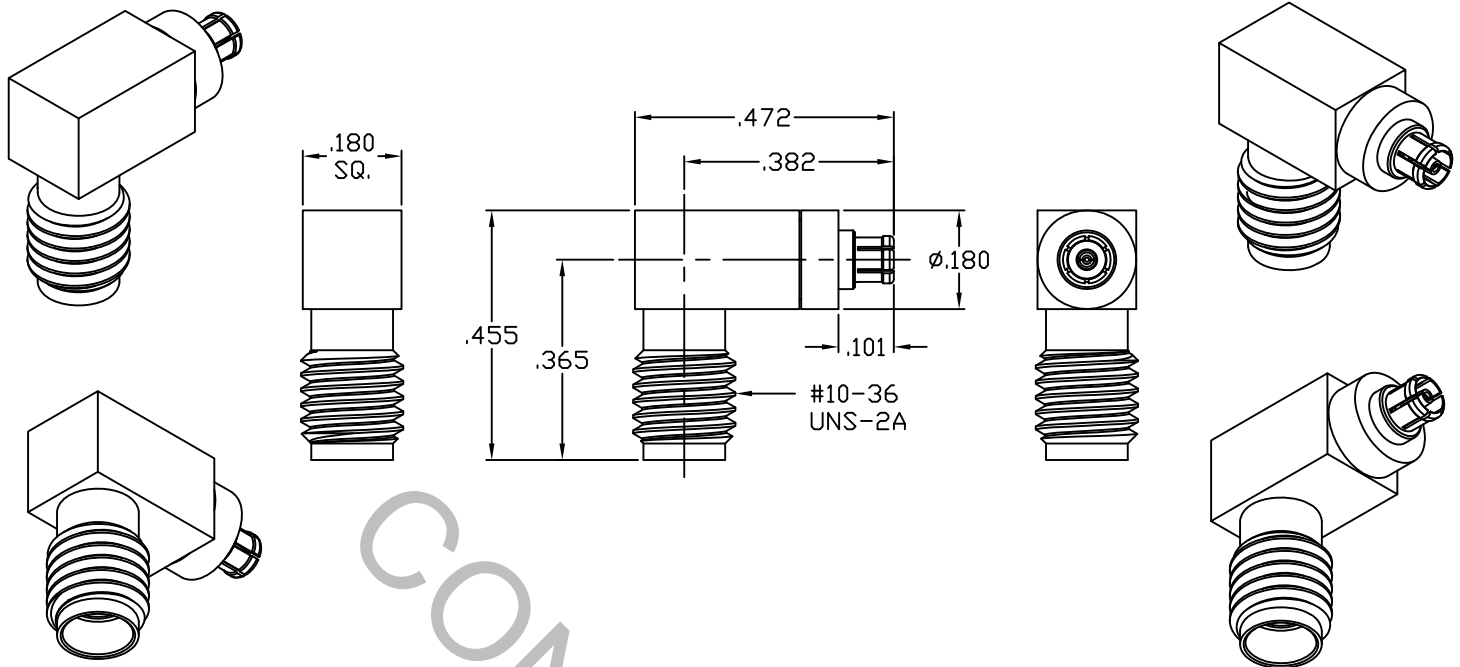


SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 328.1 (SMPM FEMALE) AND Per MIL-STD-348 Fig. 319.2 (SSMA JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz
VSWR (MAX) *	_____	1.10 + .010 x FGHz
INSERTION LOSS (dB MAX) *	_____	.10 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	167
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	500
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	12-1207	3/9/12	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1' 0" X ° X' ± 15'		
				DRAWN	DC	DATE	3/9/12	TITLE SMPM FEMALE, SSMA JACK, R/A ADAPTER
				APPROVED	DC	DATE	3/9/12	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.	1101-3093-6200
				2J899				

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MIN. AXIAL FORCE _____ 1.5 LBS.

MIN. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ 40.0

● WITHDRAWAL (MIN. OUNCES) _____ 1.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) _____ 2.0 SSMA, 6.5 SMPM (DETENT)

CONNECTOR DURABILITY (MIN. CYCLES) _____ 100

RECOMMENDED MATING TORQUE _____ SSMA 5 - 7 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.) (125 VRMS)

5. MATERIAL

SSMA BODY _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

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

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

6. FINISH

SSMA BODY _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

SMPM BODY & 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.)

INSULATORS _____ N/A