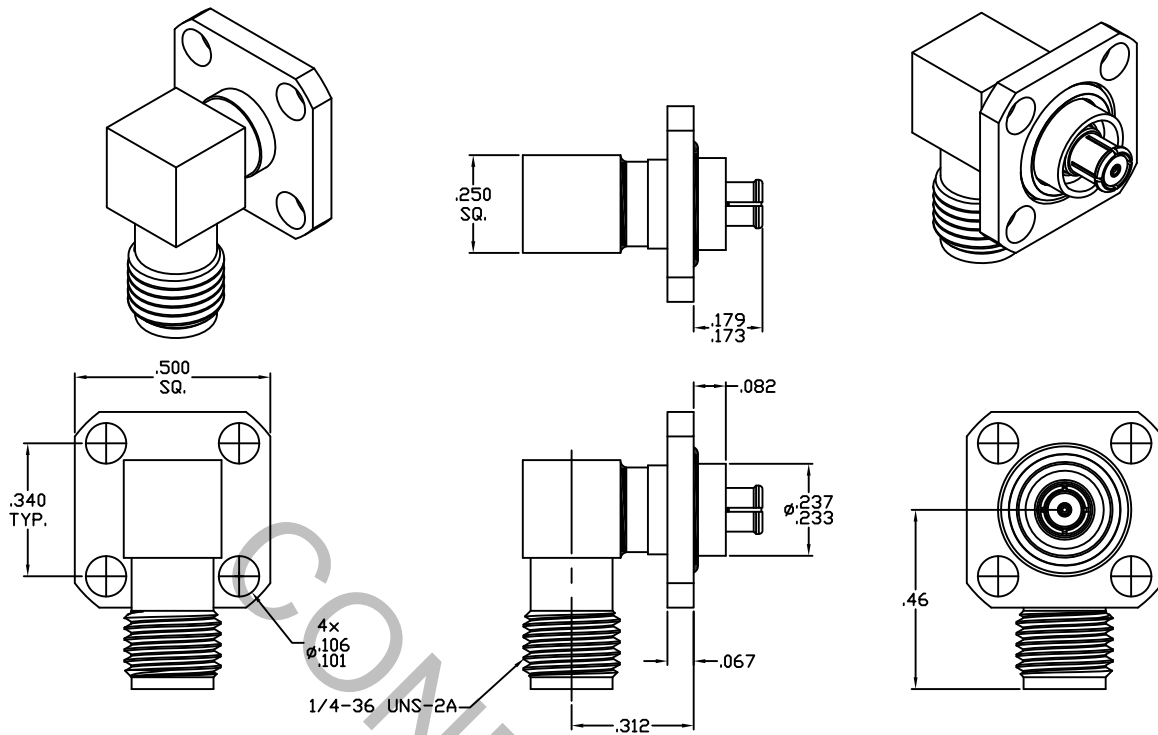


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 326.2 (SMP MALE) FULL DETENT, Fig. 326.1 (SMP FEMALE) AND Fig. 310.2 (SMA JACK).


2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 18.0 GHz
VSWR (MAX.) *	_____	1.10 + .015 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)	_____	-85 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

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 Haverhill, MA 01835
AA	17-1908	7/26/17	DC	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030 .XX ± .010 .XXX ± .005	±/64	X ° ± 1' 0" X ° X' ± 15'	TITLE SMP BULLET TO SMA JACK, R/A, 4 HOLE FLANGE ADAPTER
				DRAWN	RMS	DATE 7/25/17	
				APPROVED	DC	DATE 7/26/17	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 1158-2099-6701
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT
 MAX AXIAL FORCE _____ 6.0 LBS.
 MAX RADIAL TORQUE _____ 4.0 IN./OZ.
 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) _____ 500
 RECOMMENDED MATING TORQUE _____ 7 - 10 IN. 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.) (125 VRMS)

5. MATERIAL

SMA BODY & PRESS SLEEVE _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
 SMP BODY & CONTACTS _____ BERYLLIUM COPPER PER ASTM B196/B 196M-03, COPPER ALLOY
 No. UNS-C17300, TEMPER TD04.
 INSULATORS _____ TEFLON PER ASTM D 1710, TYPE 2, GRADE 1, CLASS A.
 O-RING _____ SILICONE PER ZZ-R-765.

6. FINISH

SMA BODY & PRESS SLEEVE _____ NICKEL PER SAE-AMS-QQ-N-290, CLASS 1
 (.000200 MIN. THK.) OVER NICKEL, WOODS OR WATTS
 (.000010 MIN. THK.)
 SMP BODY & CONTACT _____ GOLD PER ATSM B 488, TYPE 1, CODE C, CLASS 1.25
 (.000050 MIN. THK.) OVER NICKEL per SAE-AMS-QQ-N-290
 CLASS 1 (.000100 MIN. THK.) OVER COPPER per AMS-2418
 (.000040 MIN. THK.)
 R/A CONTACT _____ GOLD PER ATSM B 488, TYPE 1, 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 & O-RING _____ N/A