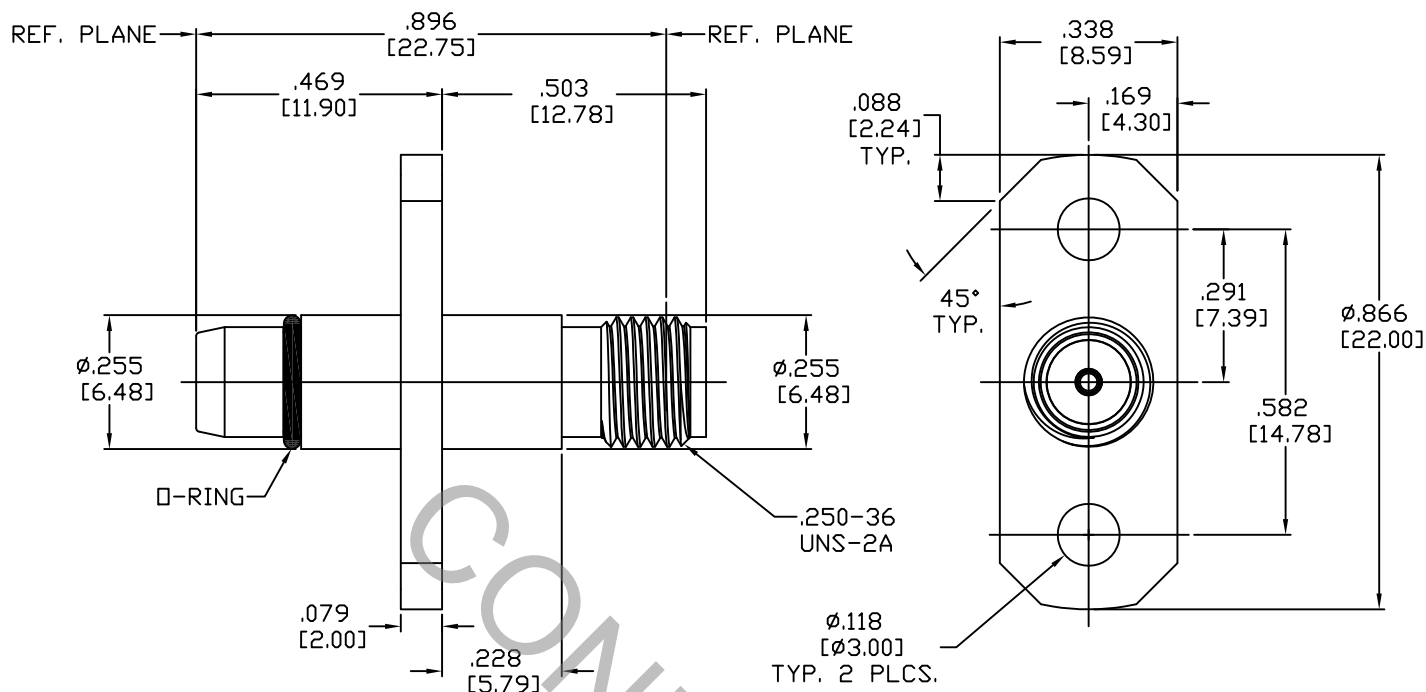


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 321.1 (BMA PLUG) AND MIL-STD-348 Fig. 310.2 (SMA JACK).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 20.0 GHz
VSWR (MAX) *	1.05 + .007 x FGHz
INSERTION LOSS (dB MAX) *	.045 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	417
RF LEAKAGE (MIN. dB DOWN)	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°C TO + 165°C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,250
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

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REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	11-2044	11/28/11	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1' 0" X ° X' ± 15'	TITLE BMA PLUG TO SMA JACK 2 HOLE FLANGE MOUNT ADAPTER
AB	18-1925	8/20/18	TS				
				DRAWN	TS	DATE	11/28/11
				APPROVED	DC	DATE	11/28/11
				CODE IDENT.			DWG. NO. 1152-2899-6240
				2J899	SHEET 1 OF 2		

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MIN. AXIAL FORCE _____ 4.5 LBS.

MIN. RADIAL TORQUE _____ N/A

CENTER CONTACT AXIAL FORCES

● INSERTION (MAX. OUNCES) _____ SMA INTERFACE 40.0

● WITHDRAWAL (MIN. OUNCES) _____ SMA INTERFACE 2.0

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ SMA 7 - 10 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.) (313 VRMS)

5. MATERIAL

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

CONTACT _____ 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.

O-RING _____ NITRILE (BUNA-N)

6. FINISH

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

CONTACT _____ GOLD PER ASTM-B-488, TYPE II, 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.)

INSULATOR & O-RING _____ N/A