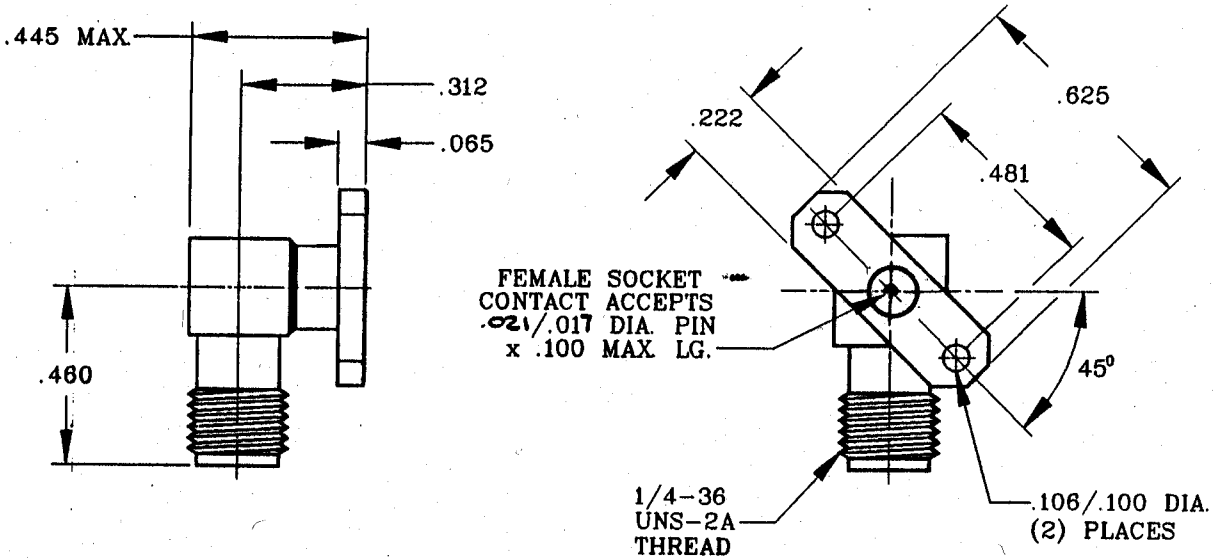


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SMA JACK per MIL-STD-348 (Fig. 310-2).

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 25.0 GHz
VSWR (MAX) ●	_____	1.07 + .010 x FGHz
INSERTION LOSS (dB MAX) ●	_____	.04 dB x $\sqrt{\text{FGHz}}$
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	250
RF LEAKAGE (MIN. dB DOWN)	_____	100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°c TO + 165°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			INCORPORATED GEORGETOWN MA 01833
				DECIMALS	FRACTIONAL	ANGULAR	
—	849	8/91	TS	X ± .030 XX ± .010 XXX ± .005	±1/64	X° ± 1'0" X° X ± 15'	
				DRAWN	DATE		TITLE FIELD REPLACEABLE SMA JACK, RIGHT ANGLE 2 HOLE FLANGE
				TS	8/91		
				APPROVED	DATE		
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9956-0081-6221
				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 48.0; REAR 32.0
 ● WITHDRAWAL (MIN. OUNCES) _____ INTERFACE 2.0; REAR 1.0
 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 +200° 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.) (180 VRMS)

5. MATERIAL

BODY AND PRESS RING _____ STAINLESS STEEL PER AMS-5640, TYPE 303, COND. A
 CONTACT _____ BERYLLIUM COPPER PER QQ-C-530, ALLOY 173, COND. H.T.
 INSULATOR _____ TEFLON PER MIL-G-19468 AND L-P-403, TYPE I
 EMI GASKET _____ SILVER PLATED ALUMINUM IN SILICONE

6. FINISH

CONTACT _____ GOLD per MIL-C-45204, TYPE II, GRADE C, CLASS 2
 (.000100 Minimum Thickness) OVER NICKEL per
 QQ-N-290, CLASS 1 (.000100 Minimum Thickness) OVER
 COPPER per MIL-C-14550 (.000010 Minimum Thickness).
 BODY and PRESS RING _____ PASSIVATE PER QQ-P-35A, TYPE I
 INSULATOR _____ N/A
 EMI GASKET _____ N/A



SHEET 2 OF 2

DWG.
NO.

9956-0081-6221

REV.

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