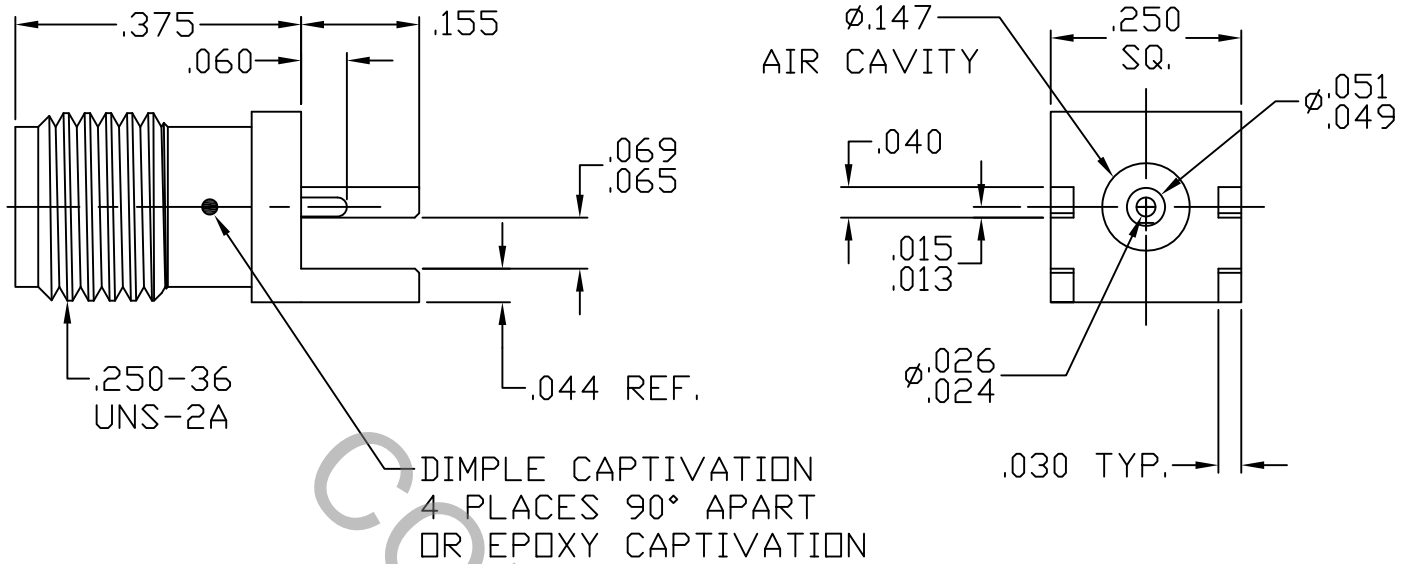


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A Fig. 310.2 (SMA JACK)

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 26.5 GHz.
VSWR (MAX) *	1.07 + .010 x FGHz
INSERTION LOSS (dB MAX) *	.04 dB x √FGHz
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	335
RF LEAKAGE (MIN. dB DOWN)	N/A
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° c TO +165° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	3.0
• 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
				DECIMALS	FRACTIONAL	ANGULAR	
AA	07-1176	2/19/07	DC	.X ± .030	1/64	X° ± 1°	
AB	07-1288	3/16/07	DC	.XX ± .010		X° X' ± 15'	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			
AC	12-1024	1/6/12	TS	DRAWN	TS	DATE	TITLE SMA, JACK, STRAIGHT EDGE MOUNT .062 PC BOARD THICKNESS STRAIGHT TERMINAL
AD	12-1038	1/11/12	TS	APPROVED DC DATE 2/19/07			
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9920-0032-6405
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. RADIAL TORQUE _____ 4.0 IN.OZ.

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 48.0
- WITHDRAWAL (MIN. OUNCES) _____ 2.0

CONNECTOR DURABILITY (MIN. MATING) _____ 500

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.) (250 VRMS)

5. MATERIAL

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

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

INSULATOR _____ TEFLON PER ASTM D1710-02, TYPE 1, GRADE 1, CLASS B.

6. FINISH

CONNECTOR BODY _____ GOLD PER ASTM B488, TYPE I, GRADE C, CODE C, CLASS 0.03 (.000030 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290, CLASS 1 (.000150 MIN. THK.) OVER COPPER PER AMS-2418 (.000010 MIN. THK.).

CENTER CONTACT _____ 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.).

INSULATOR _____ N/A