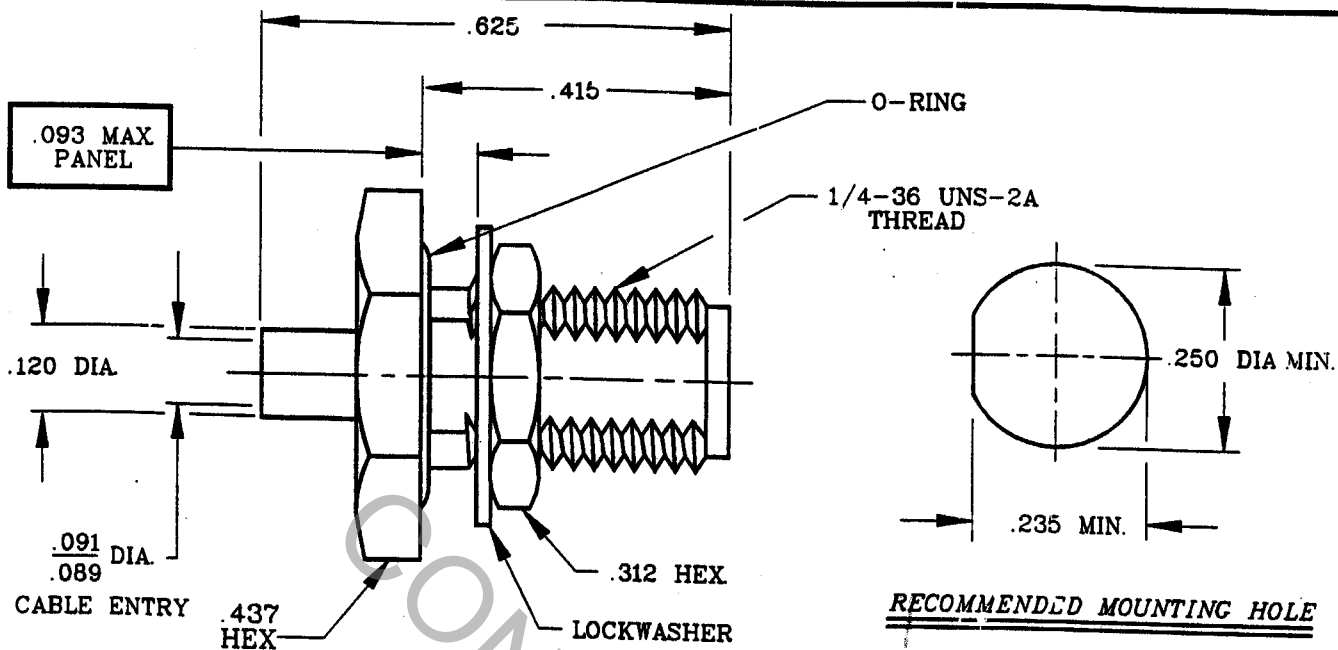


SPECIFICATION CONTROL DRAWING



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

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 26.5 GHz.
VSWR (MAX) *	_____	1.05 + .005 x FGHz
INSERTION LOSS (dB MAX) *	_____	.03 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)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	3.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			GEORGETOWN MA 01833
—	905	12/92	M.B.	DECIMALS X ± .03 .XX ± .010 .XXX ± .006	FRACTIONAL ± 1/64	ANGULAR X° ± 1'0" X° X' ± 15"	
				DRAWN M.B.	DATE 12/92	TITLE CAPTURED CONTACT SMA JACK BULKHEAD MOUNT TO .085 S.R. CABLE	
				APPROVED	DATE 12/92		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 9910-8521-6475	

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

CONNECTOR DURABILITY (MIN. CYCLES) _____ 500

RECOMMENDED MATING TORQUE _____ 7-10 INCH 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.) (375 VRMS)

5. MATERIAL

BODY AND HEX NUT _____ 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-P-19468 AND L-P-403, TYPE I

LOCKWASHER _____ STAINLESS STEEL PER AMS-5640, TYPE 304

O-RING _____ SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50 OR 60

6. FINISH

BODY, HEX NUT AND LOCKWASHER _____ GOLD PER MIL-G-45204, TYPE I, GRADE C, CLASS 1, OVER NICKEL PER QQ-N-290, CLASS 1, (.00015 MIN. THK.)

CONTACT _____ GOLD PER MIL-G-45204, TYPE II, GRADE C, CLASS 2 (.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1 (.00010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR _____ N/A