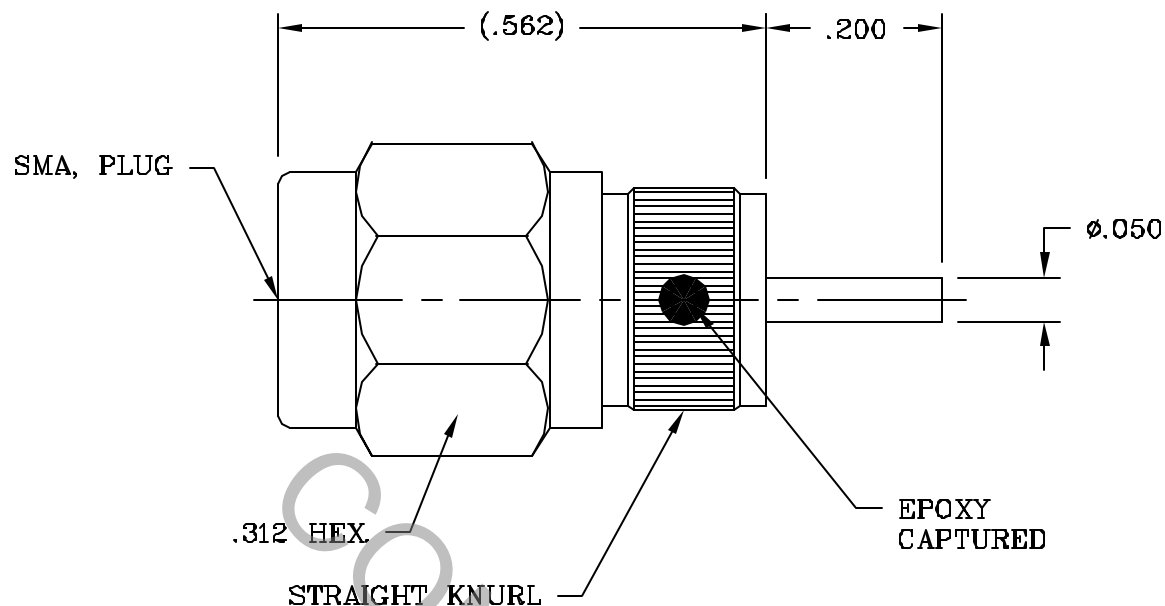


SPECIFICATION CONTROL DRAWING




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

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 20.0 GHz.
VSWR (MAX.) *	1.05 + .008 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)	80 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			 HAVERHILL, MA 01836
-	PRE-REL.	11/95	T.S.	DECIMALS X ± .030 XX ± .010 XXX ± .005	FRACTIONAL ± 1/84	ANGULAR X° ± 1' 0" X° X' ± 15'	
				DRAWN	T.S.	DATE	TITLE SMA, PLUG EPOXY CAPTIVATED PRESS MOUNT STRAIGHT TERMINAL
				APPROVED	DGG	DATE	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.
				2J899			9840-0032-6201

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MAX. AXIAL FORCE _____ 1.0 LBS.
- MAX. RADIAL TORQUE _____ 4.0 IN. OZ.

CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) _____ N/A
- WITHDRAWAL (MIN. OUNCES) _____ N/A

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 °a)

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.) (190 VRMS)

5. MATERIAL

BODY AND COUPLING NUT _____ STAINLESS STEEL PER ASTM A 581, TYPE 303, COND. A

CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY
No. UNS C17300, TEMPER T004.

INSULATOR _____ TEFLON PER ASTM D 4894-91.

GASKET _____ SILICONE RUBBER PER ZZ-R-765, CLASS III, GRADE 50 OR 60.

6. FINISH

BODY AND COUPLING NUT _____ PASSIVATE PER QQ-P-35A, TYPE I

CONTACT _____ GOLD per MIL-G-45204, TYPR 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).

INSULATOR, GASKET AND RETAINING RING _____ N/A