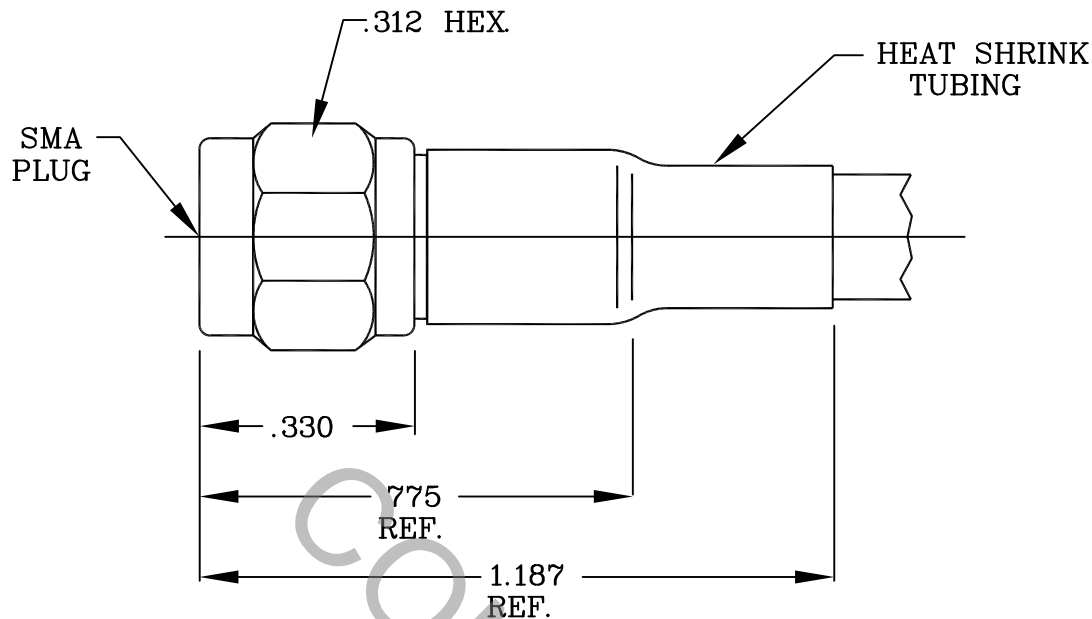


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR PLUG PER MIL-STD-348 (Fig. 310-1)


2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 8.0 GHz.
VSWR (MAX) *	_____	1.15 + .02 x FGHz.
INSERTION LOSS (dB MAX) *	_____	.05 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

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES	 GEORGETOWN MA. 01833
-	1022	10/93	M.B.	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005 FRACTIONAL ±/64 ANGULAR X° ± 1'0" X° X' ± 15"	TITLE SMA, PLUG STRAIGHT, SOLDER ATTACHMENT FOR (RG 55/U, 58, 141, 142, 223, 303 & 400)
AA	14-2593	12/19/14	TS	SURFACE ROUGHNESS 63 $\sqrt{\text{MIL-STD 10}}$.	
				DRAWN M.B. DATE 10/93	DWG. NO. 9800-4220-6440
				APPROVED DATE 10/93	
				CODE IDENT. 2J899	SHEET 1 OF 2

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0 LBS.
- MIN. 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) _____ 1,000

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.) (375 VRMS)

5. MATERIAL

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

CENTER CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM B196/B, 196M-03, COPPER ALLOY No. UNS C17300, TEMPER TD04.

INSULATOR _____ TEFLON PER D-1710-02, TYPE 1, GRADE 1, CLASS 4.

SOLDER SLEEVE _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000

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

HEAT SHRINK TUBING _____ RNF-100, TYPE 1, PER MIL-I-23053/5, CLASS 1

6. FINISH

BODY AND COUPLING NUT _____ GOLD PER ATSM B 488, TYPE 1, CODE C, CLASS 1.25
(.000050 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 AND SOLDER SLEEVE _____ GOLD PER ATSM B 488, TYPE 1, 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, RETAINING RING, GASKET _____ N/A
AND HEAT SHRINK TUBING