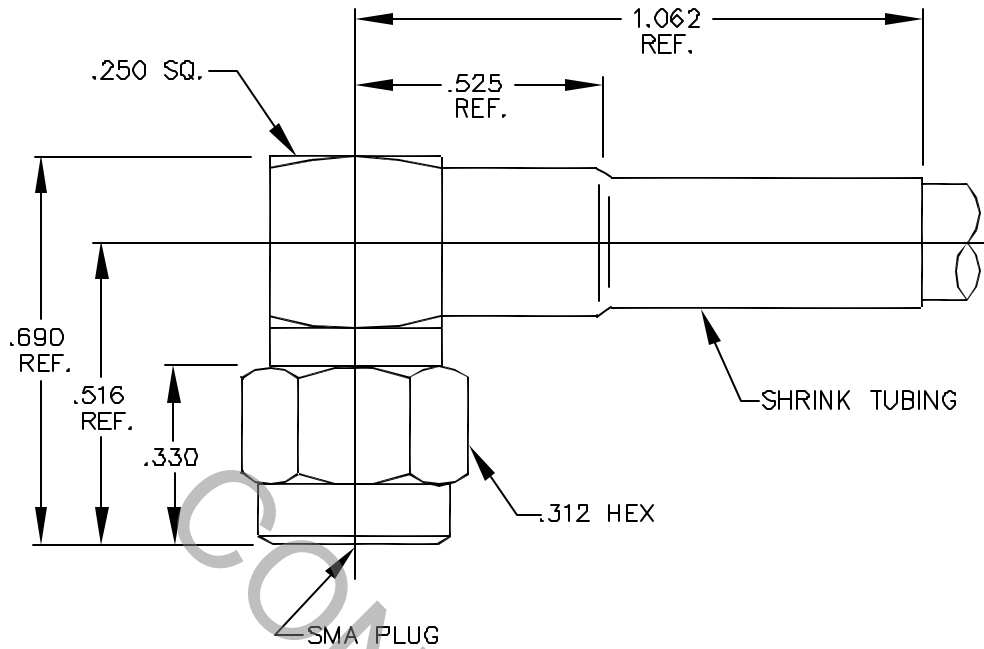


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR SMA PLUG per MIL-STD-348 (Fig. 310-1), AND DYNAWAVE SPECIFICATION MD-98.

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 12.5 GHz.
VSWR (MAX.) *	_____	1.07 + .010 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.05 dB x √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 + 150 °c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	750
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
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			GEORGETOWN MA. 01833
-	1046	12/93	M.B.	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ±/64	ANGULAR X° ± 10' X°X' ± 15'	
AA	03-2120			SURFACE ROUGHNESS 63 √MIL-STD-10.			
				DRAWN	M.B.	DATE 12/93	TITLE SMA, PLUG RIGHT ANGLE CRIMP ATTACHMENT (RG 178/U, 196)
				APPROVED	DGG	DATE 12/93	
				CODE IDENT. 2J899	SHEET 1 OF 2		DWG. NO. 9801-7832-6212

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE _____ 6.0
- MIN RADIAL TORQUE _____ N/A

CONNECTOR ENGAGEMENT FORCES

- INSERTION (MAX. OUNCES) _____ 32.0
- WITHDRAWAL (MIN. OUNCES) _____ 1.0

CONNECTOR DURABILITY (MIN. MATING) _____ 375

RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-65 ° TO + 165 °)

SHOCK _____ MIL-STD-202, METHOD 213, COND. I (100 G's)

VIBRATION _____ MIL-STD-202, METHOD 204, COND. D (2D 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, CONTACT AND COUPLING NUT _____ BRASS PER ASTM B16, TEMPER H02 ALLOY C36000

RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B 196/B, 196M-03, COPPER ALLOY No. UNS-C-17300, TEMPER T004.

INSULATOR _____ TEFLON PER D 1710-D2, TYPE 1, GRADE 1, CLASS B.

GASKET _____ SILICONE RUBBER per ZZ-R-765
CLASS IIB, GRADE 50 or 60.

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

6. FINISH

BODY AND COUPLING NUT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 1.25
(.000050 MIN. THK.) OVER NICKEL PER QQ-N-290,
(.000050 MIN. THK.) OVER COPPER PER MIL-C-14550.

CONTACT _____ GOLD PER ASTM B 488, TYPE 1, CODE C, CLASS 2.6
(.000100 Minimum Thickness) OVER NICKEL per
QQ-N-290, CLASS 1 (.000050 Minimum Thickness) OVER
COPPER per MIL-C-14550 (.000010 Minimum Thickness).

INSULATOR, GASKET, RETAINING RING AND
HEAT SHRINK TUBING _____ N/A