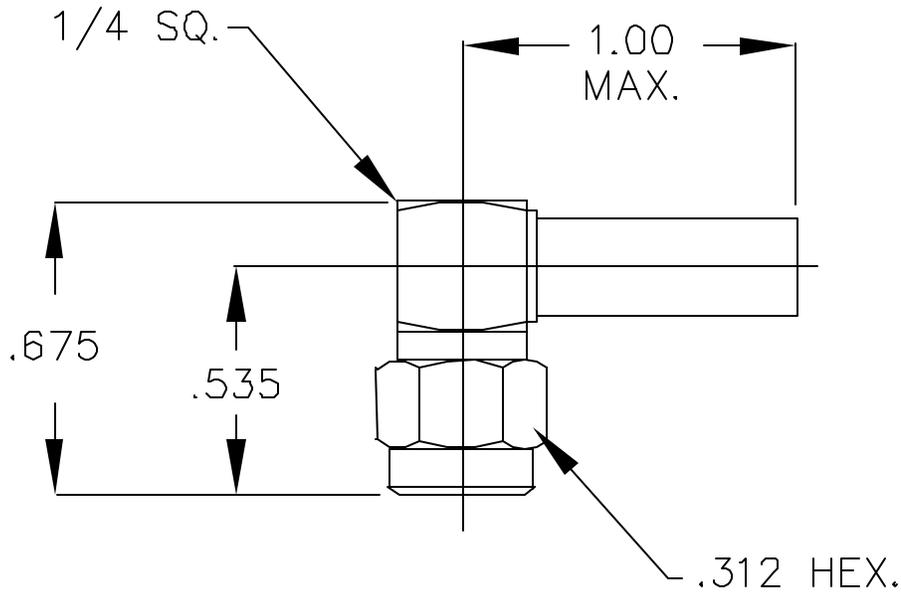


SPECIFICATION CONTROL DRAWING



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 12.4 GHz.
VSWR (MAX.) *	_____	1.04 + .008 x FGHz.
INSERTION LOSS (dB MAX.) *	_____	.045 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)	_____	1,000
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
				DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ±/64	ANGULAR x° ± 1 b' x° x' ± 15'	
—	1158	6/95	T.S.				TITLE SMA, PLUG RIGHT ANGLE, CRIMP ATTACHMENT FOR BELDON CABLE PART No. YR-20621
AA	03-1625						
				DRAWN	T.S.	DATE 6/95	
				APPROVED	T.S.	DATE 6/95	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9801-4230-6200
				2J899			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

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

CONNECTOR ENGAGEMENT FORCES

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

CONNECTOR DURABILITY (MIN. MATING) _____ 1,000

RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 102, COND. C (-85 °c TO + 200°)

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.) (19ØRMS)

5. MATERIAL

BODY AND COUPLING NUT _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000

CONTACT AND RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B-196,COPPER ALLOY, UNS-C-17800, TEMPER TD04.

CRIMP SLEEVE _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000 (ANNELED).

INSULATOR _____ TEFLON PER D-1457.

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

6. FINISH

BODY AND COUPLING NUT _____ NICKEL PER QQ-N-290, CLASS 1.

CRIMP SLEEVE _____ NICKEL PER QQ-N-290, CLASS 1.

CONTACT _____ GOLD per MIL-C-45204, TYPE 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



SHEET 2 OF 2

DWG.
NO.

9801-4230-6200

REV.

AA