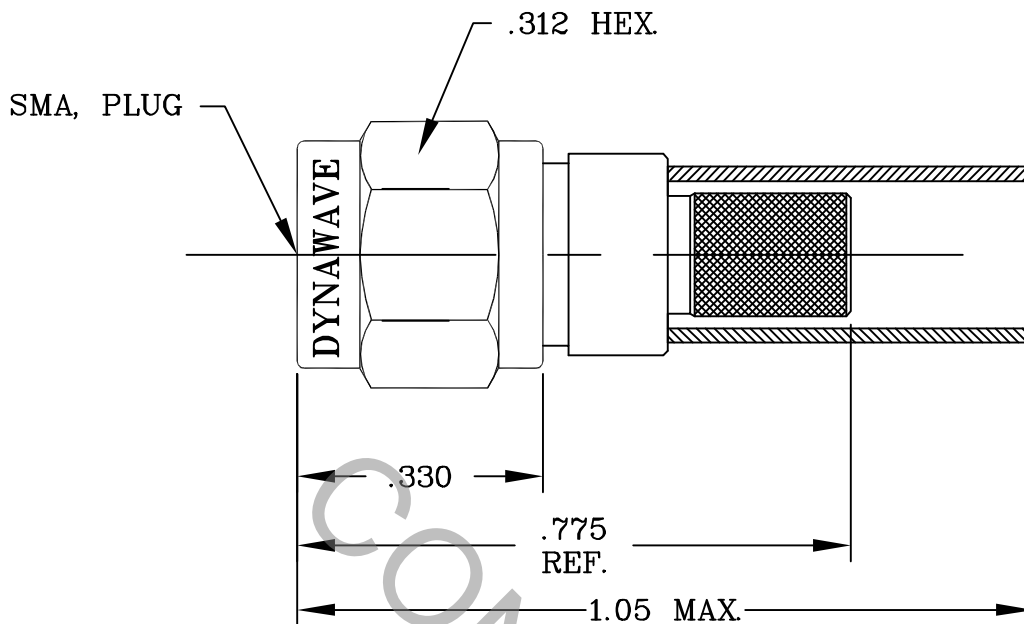


SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS FOR PLUG PER MIL-STD-348 (Fig. 310-1) AND DYNAWAVE MD-98.

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 4.0 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

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA 01835
AA	99-1189	12/9/99	DGG	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ±/64	ANGULAR X ° ± 1 0' X ° X' ± 15'	
				SURFACE ROUGHNESS 63 √ MIL-STD 10.			
				DRAWN KLF	DATE 12/9/99	TITLE SMA, PLUG STRAIGHT, CRIMP ATTACHMENT FOR BELDEN CABLE PART No. WP-93385	
				APPROVED DGG	DATE 12/9/99		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO.	9800-4230-2100

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) _____ 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.) (190 VRMS)

5. MATERIAL

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

RETAINING RING _____ BERYLLIUM COPPER PER ASTM B196-90, COPPER ALLOY No. UNS C17300, TEMPER TD04.

INSULATOR AND SPACER _____ TEFLON PER D-1457

BODY AND CENTER CONTACT _____ BRASS PER ASTM B16, TEMPER H02, ALLOY C36000

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

6. FINISH

COUPLING NUT _____ PASSIVATE PER QQ-P-35C, TYPE VI

CENTER CONTACT _____ GOLD PER ATSM B 488, TYPE 2, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER NICKEL PER QQ-N-290 (.000050 MIN. THK.) OVER COPPER PER MIL-C-14550 (.000010 MIN. THK.)

BODY _____ 55°-60° COPPER, 25°-28° TIN, 14°-18° ZINC (TRI-PLATE)

INSULATOR, RETAINING RING AND GASKET _____ N/A