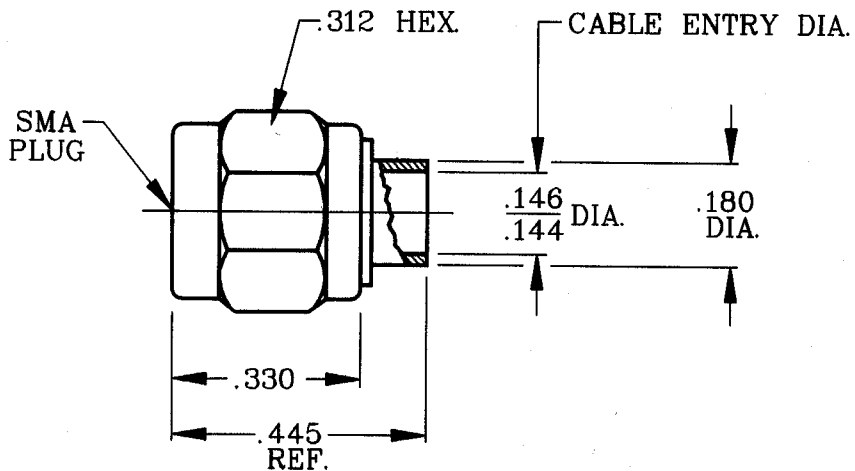


# SPECIFICATION CONTROL DRAWING



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

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 34.0 GHz.
VSWR (MAX) *	1.05 + .005 x FGHz.
INSERTION LOSS (dB MAX) *	.03 dB x $\sqrt{\text{FGHz}}$ .
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	335
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65 ° c TO +165 ° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,500
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 DECIMALS      FRACTIONAL      ANGULAR .X ± .030                      ±1/64                      X° + 1' 0" .XX ± .010                                                           X° X' ± 16" .XXX ± .005 SURFACE ROUGHNESS 63 √ MIL-STD 10.	 GEORGETOWN MA. 01833
-	977	6/93	M.B.	DRAWN      M.B.      DATE 6/93 APPROVED      GL      DATE 6/93	TITLE SMA, PLUG TO .141 S.R. CABLE DIRECT SOLDER ATTACHMENT
				CODE IDENT. 2J899	SHEET 1 OF 2 DWG. NO. 9800-4426-6440

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ N/A
- 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) \_\_\_\_\_ 500

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.

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

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

## 6. FINISH

BODY AND COUPLING NUT \_\_\_\_\_ GOLD PER MIL-G-45204, TYPE I, GRADE C, CLASS 1  
OVER NICKEL PER QQ-N-290 CLASS 1 (.00015 MIN. THK.)

GASKET AND RETAINING RING \_\_\_\_\_ N/A

**dynamwave**  
INCORPORATED

SHEET 2 OF 2

DWG.  
NO.

9800-4426-6440

REV.

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