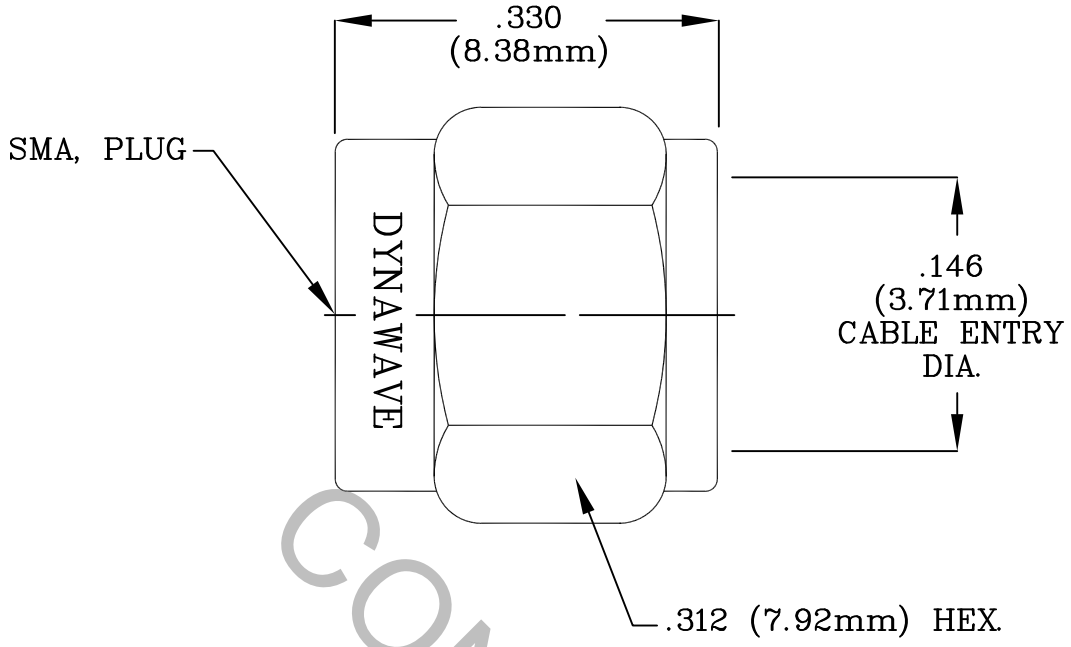
SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348A (Fig. 310.1) SMA, PLUG AND DYNAWAVE SPECIFICATION MD-98.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 34.0 GHz.
VSWR (MAX.) ❋	1.05 + .005 x FGHz.
INSERTION LOSS (dB MAX.) ❋	.030 dB x $\sqrt{\text{FGHz.}}$
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	250
RF LEAKAGE (MIN. dB DOWN)	N/A
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

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.
–	1192	3/96	T.S.

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1°0' X° X' ± 15'

SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN T.S. DATE 3/96

APPROVED T.S. DATE 3/96

TITLE SMA, PLUG
DIRECT SOLDER
TO .141 SEMI-RIGID CABLE
(WITHOUT CENTER CONTACT)

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 9800-4426-6445

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. LBS.) — N/A

CONNECTOR DURABILITY (MIN. CYCLES) — 500

RECOMMENDED MATING TORQUE

INTERFACE — 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

CONNECTOR BODY AND COUPLING NUT	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
RETAINING RING	BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.
GASKET	SILICONE RUBBER PER ZZ–R–765, CLASS IIB, GRADE 50 OR 60.

6. FINISH

CONNECTOR BODY AND COUPLING NUT	GOLD PER MIL–G–45204, TYPE I, GRADE C, CLASS 1 (.00005 MIN. THK.) OVER NICKEL PER QQ–N–290, CLASS 1 (.00005 MIN. THK.)
RETAINING RING AND GASKET	N/A