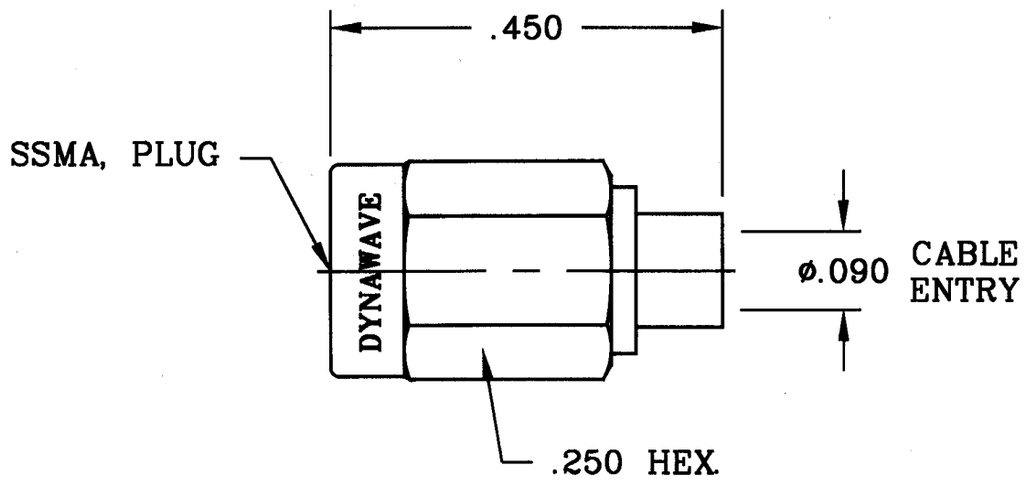
SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE MD-96. SSMA, PLUG USING THE CABLE INNER CONDUCTOR AS THE MATING PIN.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 46.0 GHz.
VSWR (MAX.) *	1.05 + .010 x FGHz.
INSERTION LOSS (dB MAX.) *	.030 dB x $\sqrt{FGHz}$.
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)	8.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	03-1404	3-28-03	b.c.

DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS: .X ± .030, .XX ± .010, .XXX ± .005
FRACTIONAL: ± 1/64
ANGULAR: X° ± 1°0', X° X ± 15'
SURFACE ROUGHNESS 63 √ MIL-STD 10.

dynawave INCORPORATED
HAVERHILL, MA. 01835

DRAWN: G.E. DATE: 3/27/03

APPROVED: b.c. DATE: 3-28-03

TITLE: SSMA, PLUG, DIRECT SOLDER TO ø.085 SEMI-RIGID CABLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 9600-8526-2300

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.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	1,000
RECOMMENDED MATING TORQUE	
INTERFACE	6 – 8 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 ° c TO + 165 °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

CONNECTOR BODY	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000
COUPLING NUT	STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.
RETAINING RING	BERYLLIUM COPPER PER QQ–C–531, ALLOY 173, COND. H
GASKET	SILICONE RUBBER PER ZZ–R–765, CLASS IIB, GRADE 50 OR 60.

6. FINISH

CONNECTOR BODY	GOLD PER ASTM B 488, TYPE I, CODE C, CLASS 2.5 (.000100 MIN. THK.) OVER NICKEL PER QQ–N–290 (.00015 MIN. THK.) OVER COPPER PER MIL–C–14550 (.000010 MIN. THK.)
COUPLING NUT	PASSIVATE PER QQ–P–35C, TYPE VI.
RETAINING RING	N/A
GASKET	N/A