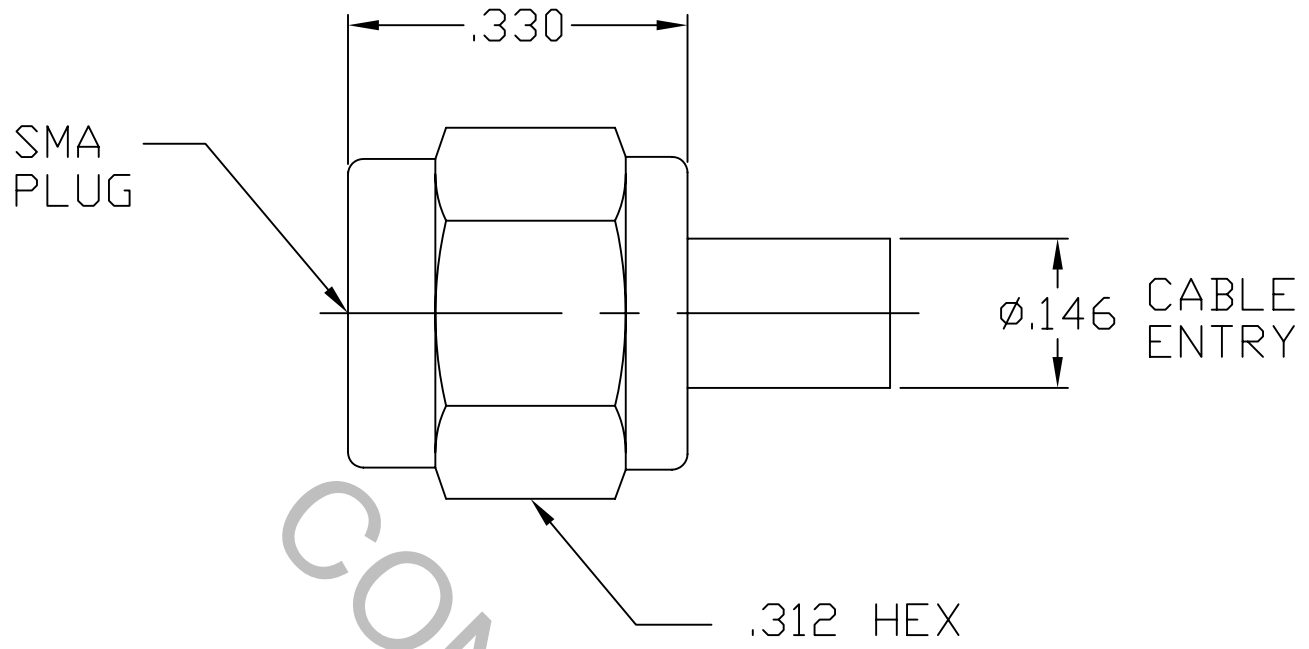


# SPECIFICATION CONTROL DRAWING




1. MATING INTERFACE DIMENSIONS Per MIL-STD-348A (SERIES, SMA, NO CONTACT)

2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 34.0 GHz
VSWR (MAX) *	_____	1.05 + .005 x FGHz
INSERTION LOSS (dB MAX) *	_____	.03 dB x √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			 Haverhill, MA 01835
				DECIMALS	FRACTIONAL	ANGULAR	
-	001	2/87	TS	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X ° ± 1'0" X ° X' ± 15'	
A	673	5/89	DGG				
AA	08-1247	3/6/08	DC	DRAWN TS	DATE	2/87	TITLE SMA PLUG DIRECT SOLDER TO .141 SEMI-RIGID CABLE WITHOUT CENTER CONTACT
				APPROVED DGG	DATE	3/87	
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 9800-4426-6444	

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE \_\_\_\_\_ N/A

MAX 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 & 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 & COUPLING NUT \_\_\_\_\_ GOLD PER ATSM-B-488, TYPE I, CODE C, CLASS 0.70  
(.000030 MIN. THK.) OVER NICKEL PER QQ-N-290, CLASS 1  
(.000050 MIN. THK.) OVER NICKEL (WOODS OR WATTS)  
(.000010 MIN. THK.).

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