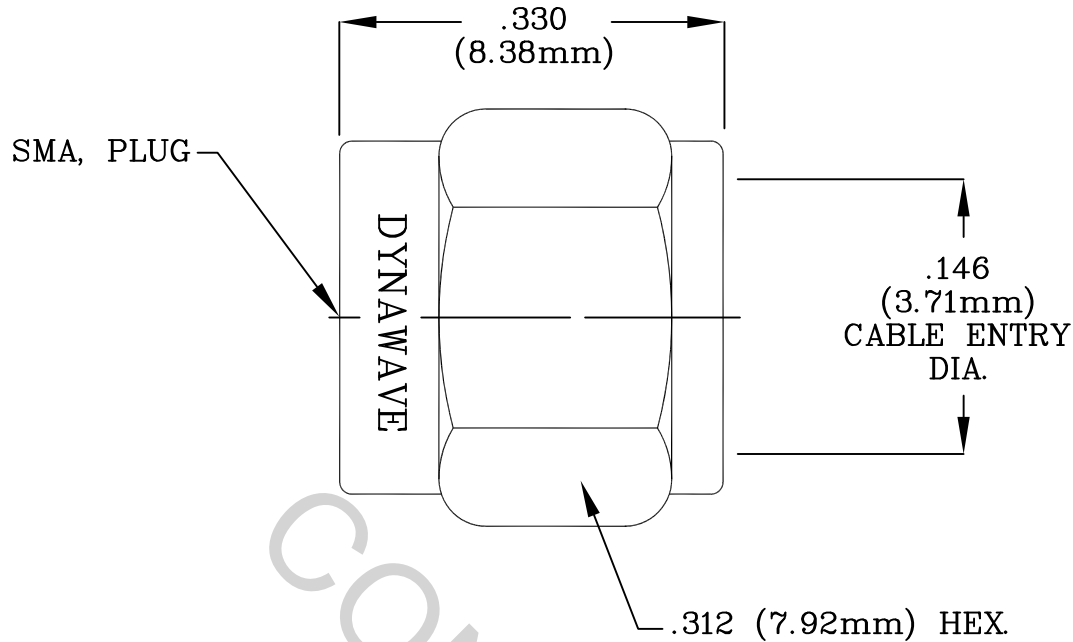


SPECIFICATION CONTROL DRAWING



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.)	_____	.030 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)	_____	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

This Document contains proprietary and confidential information.

RoHS
COMPLIANT

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 GEORGETOWN MA. 01833
				DECIMALS	FRACTIONAL	ANGULAR	
-	1082	4/94	T.S.	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X° ± 1' 0" X° X' ± 15"	
AA	99-0531	6/15/99	T.S.	SURFACE ROUGHNESS 63 √ MIL-STD 10.			
AB	00-0860	6/28/00	GL	DRAWN	T.S.	DATE 4/94	TITLE SMA, PLUG DIRECT SOLDER TO .141 SEMI-RIGID CABLE (WITHOUT CENTER CONTACT)
AC	18/1464	4/27/18	DC	APPROVED	DGG	DATE 4/94	
				CODE IDENT.			DWG. NO. 9800-4426-6245
				2J899	SHEET 1 OF 2		

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

COUPLING NUT _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4.

CONNECTOR BODY _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27 (.00005 MIN. THK.)
OVER NICKEL PER QQ-N-290, CLASS 1 (.00015 MIN. THK.)
OVER NICKEL, WOODS OR WATT, (.000010 MIN. THK.)

RETAINING RING AND GASKET _____ N/A