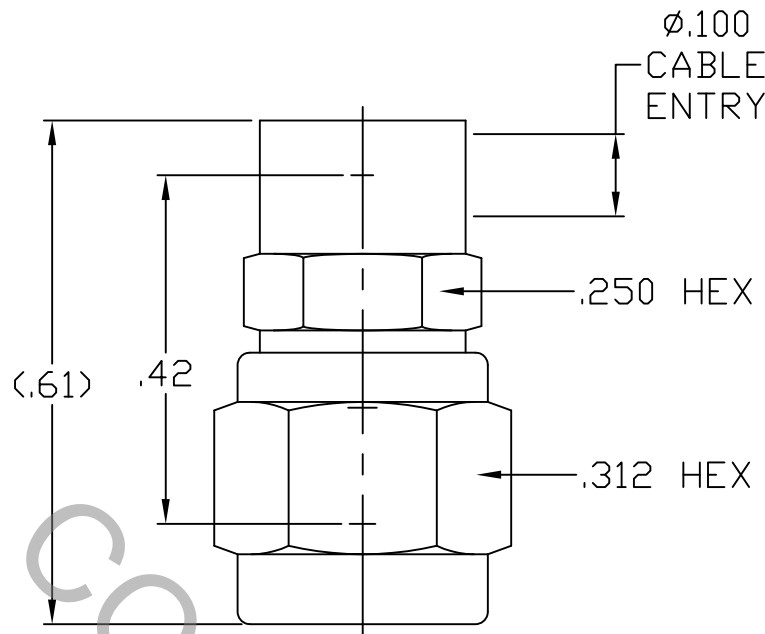


SPECIFICATION CONTROL DRAWING



SOLD ON DYNAWAVE CABLE ASSEMBLIES ONLY

1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 310.4 (SMA PLUG).

2. ELECTRICAL

FREQUENCY RANGE GHz _____ DC TO 26.5 GHz
 VSWR (MAX) * _____ 1.05 + .004 x FGHz
 INSERTION LOSS (dB MAX) * _____ .05 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) _____ 750
 INSULATION RESISTANCE (MIN. MEGOHMS) _____ 5,000
 CONTACT RESISTANCE
 • CENTER CONTACT (MAX. MILLIOHMS) _____ 3.0
 • OUTER CONTACT (MAX. MILLIOHMS) _____ 2.0

* TERMINATED IN A 50 OHM LOAD

RoHS
COMPLIANT

This Document contains proprietary and confidential information.

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES		 Haverhill, MA 01835
AA	15-1398	3/17/15	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	
					ANGULAR X ° ± 1° 0' X ° X' ± 15'	
				DRAWN RMS	DATE 3/17/15	TITLE SMA RIGHT ANGLE PLUG DIRECT SOLDER TO Ø.085 CABLE
				APPROVED DC	DATE 3/17/15	
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 9801-9088-6299

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MAX AXIAL FORCE _____ 4.0 LBS.

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 + 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

BODY & COUPLING NUT _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A

CONTACT & RETAINING RING _____ BERYLLIUM COPPER PER ASTM B196/B 196M-03, COPPER ALLOY
NO. UNS C17300 TEMPER TD04

GASKET _____ SILICONE RUBBER PER ZZ-R-765

INSULATOR _____ TEFLON PER ASTM-D-1710-02, TYPE 1, GRADE 1, CLASS B

6. FINISH

BODY _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL per SAE-AMS-QQ-N-290
CLASS 1 (.000150 MIN. THK.) OVER NICKEL (WOODS OR WATTS)
(.000010 MIN. THK.)

CONTACT _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 1.27
(.000050 MIN. THK.) OVER NICKEL per SAE-AMS-QQ-N-290
CLASS 1 (.000050 MIN. THK.) OVER COPPER per AMS-2418
(.000010 MIN. THK.)

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

INSULATOR, RETAINING RING & GASKET _____ N/A