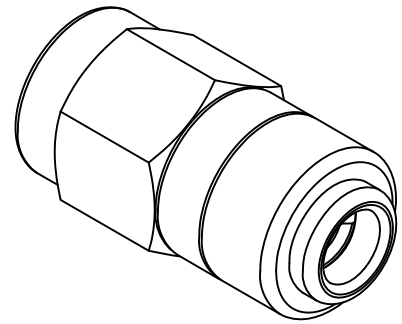
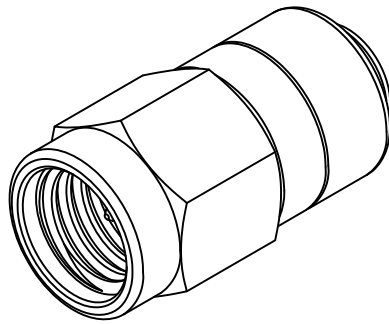
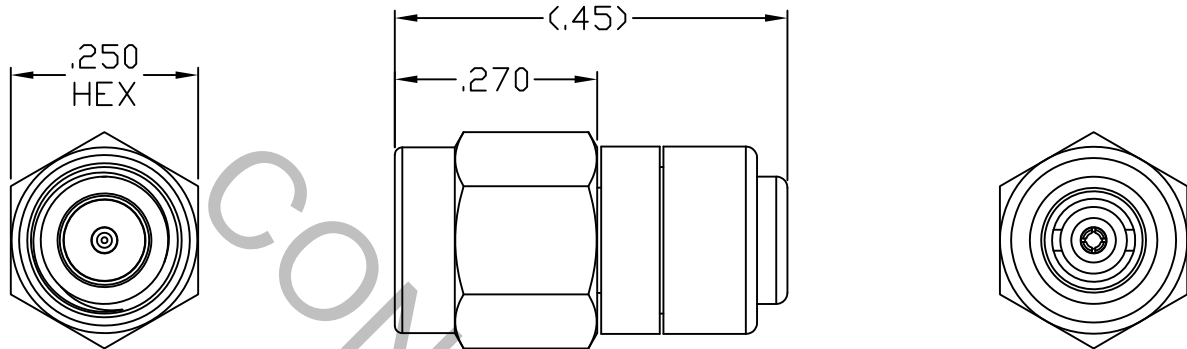


SPECIFICATION CONTROL DRAWING



AVAILABLE ON DYNAWAVE
CABLE ASSEMBLIES ONLY



1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 319.1 (SSMA PLUG).

2. ELECTRICAL

FREQUENCY RANGE GHz _____	DC TO 38.0 GHz
VSWR (MAX.) * _____	1.05 + .006 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			CABLE INCORPORATED HAVERHILL, MA 01835
AA	17-1508	4/19/17	DC	DECIMALS	FRACTIONAL	ANGULAR	
				.X ± .030		X ° ± 1' 0"	TITLE SSMA PLUG, SO/CL, PLUG-IN, 7-00190
				.XX ± .010	± 1/64	X ° X' ± 15'	
				.XXX ± .005			
				DRAWN RMS	DATE	4/19/17	DWG. NO. 9243-7190-6240
				APPROVED DC	DATE	4/19/17	
				CODE IDENT.	SHEET 1 OF 2		
				6DZL5			

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 _____ 5 - 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

BODY, PRESS SLEEVES & 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.

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

GASKET _____ SILICONE RUBBER PER ZZ-R-765

6. FINISH

BODY, PRESS SLEEVES & COUPLING NUT _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4

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.)

INSULATOR, RETAINING RING & GASKET _____ N/A