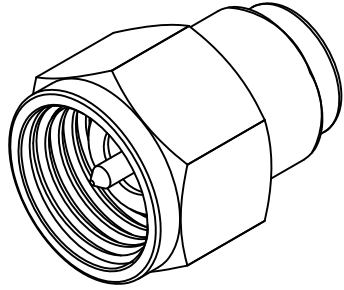
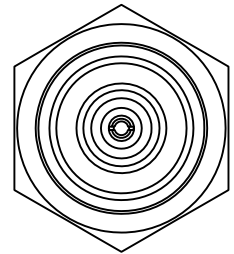
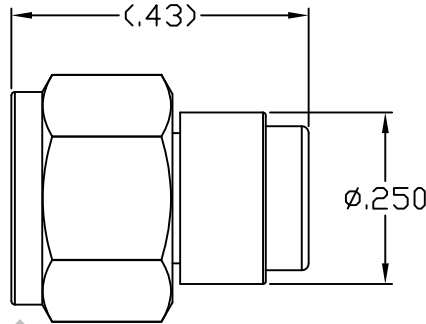
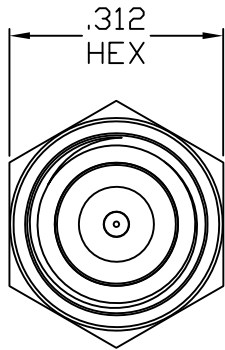
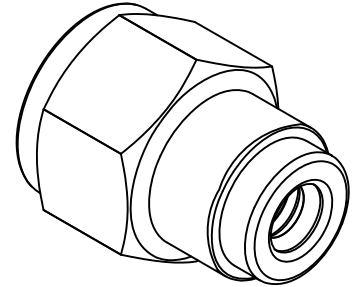


SPECIFICATION CONTROL DRAWING



AVAILABLE 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) *	_____	.03 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)	_____	6.0
• 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
				DECIMALS	FRACTIONAL	ANGULAR	
AA	17-1480	4/11/17	DC	.X ± .030	± 1/64	X ° ± 1° 0'	
BA	18-1273	3/5/18	DC	.XX ± .010		X ° X' ± 15'	
				.XXX ± .005			
				DRAWN	RMS	DATE	TITLE SMA PLUG, SOLDER CLAMP, 7-00190 CABLE
				APPROVED	DC	DATE	
				CODE IDENT.	SHEET 1 OF 2		DWG. NO. 9843-7190-6241
				6DZL5			

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION-CENTER CONTACT

MIN. AXIAL FORCE _____ 4.5 LBS.

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) _____ 500

RECOMMENDED MATING TORQUE _____ 7 - 10 IN. LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING _____ MIL-STD-202, METHOD 107, 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, SOLDER SLEEVE & _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
PRESS SLEEVE

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

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

GASKETS _____ SILICONE RUBBER PER ZZ-R-765.

6. FINISH

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

SOLDER SLEEVE _____ 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.)

INSULATORS & GASKETS _____ N/A