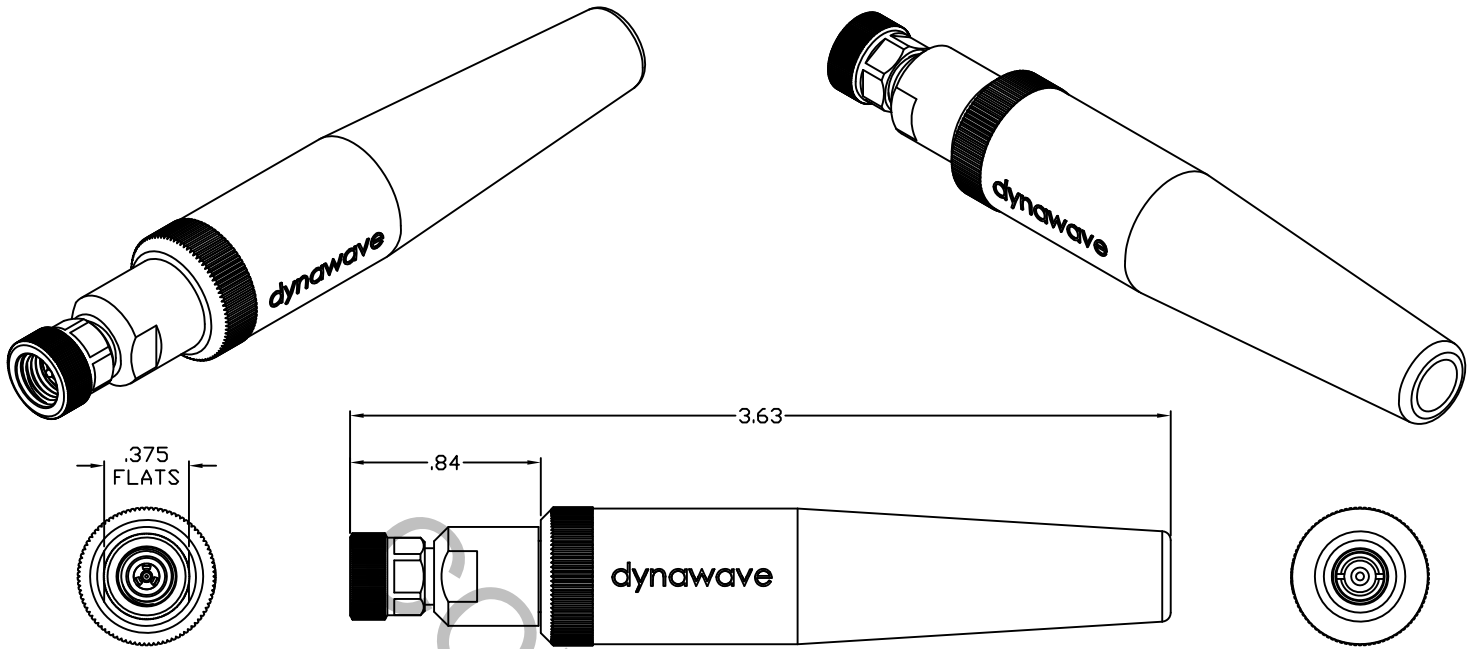


SPECIFICATION CONTROL DRAWING



SOLD ON DYNAWAVE CABLE ASSEMBLIES ONLY

1. MATING INTERFACE DIMENSIONS Per MIL-STD-348 Fig. 323.1 (SMK PLUG).
2. ELECTRICAL

FREQUENCY RANGE GHz _____	DC TO 40.0 GHz
VSWR (MAX.) * _____	1.03 + .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) _____	-60°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		
AA	17-1775	6/19/17	DC	DECIMALS .X ± .030 .XX ± .010 .XXX ± .005	FRACTIONAL ± 1/64	ANGULAR X ° ± 1' 0" X ° X' ± 15"	TITLE 2.92mm PLUG, SOLDER CLAMP, 7-00241 CABLE		
				DRAWN	RMS	DATE			6/16/17
				APPROVED	DC	DATE			6/19/17
				CODE IDENT.	SHEET 1 OF 2		DWG. NO.	9443-7241-6299	
				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 + 125° 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, CLAMP NUT, _____ STAINLESS STEEL PER ASTM-A-582, TYPE 303, COND. A
 PRESS SLEEVE & BUSHING
 CONTACTS, PRESS RING & RETAINING RING _____ BERYLLIUM COPPER PER ASTM-B-196/B, 196M-03, COPPER
 ALLOY No. UNS-C17300, TEMPER TD04.
 INSULATOR _____ TEFLON PER ASTM-D-1710, TYPE 1, GRADE 1, CLASS B.
 INSULATOR BEAD _____ PLASTIC COMPOSITE
 SOLDER SLEEVE _____ BRASS PER ASTM-B-16, TEMPER H02, ALLOY C36000.
 MOLDED BOOT _____ PVC, 81 DUROMETER (BLACK)

6. FINISH

BODY, CLAMP NUT & COUPLING NUT _____ ELECTRO POLISH PER ASTM B912.
 PRESS SLEEVE & BUSHING _____ PASSIVATE PER AMS-2700, TYPE 2, CLASS 4
 PRESS RING _____ NICKEL PER SAE-AMS-QQ-N-290, CLASS 1 (.000200 MIN. THK.)
 OVER COPPER PER AMS-2418 (.000010 MIN. OR AS SPECIFIED)
 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 COPPER PER AMS-2418
 (.000010 MIN. THK.)
 CONTACTS _____ GOLD PER ASTM-B-488, TYPE I, CODE C, CLASS 0.75
 (.000030 MIN. THK.) OVER NICKEL PER SAE-AMS-QQ-N-290
 CLASS 1 (.000050 MIN. THK.) OVER COPPER PER AMS-2418
 (.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, RETAINING RING & MOLDED BOOT _____ N/A