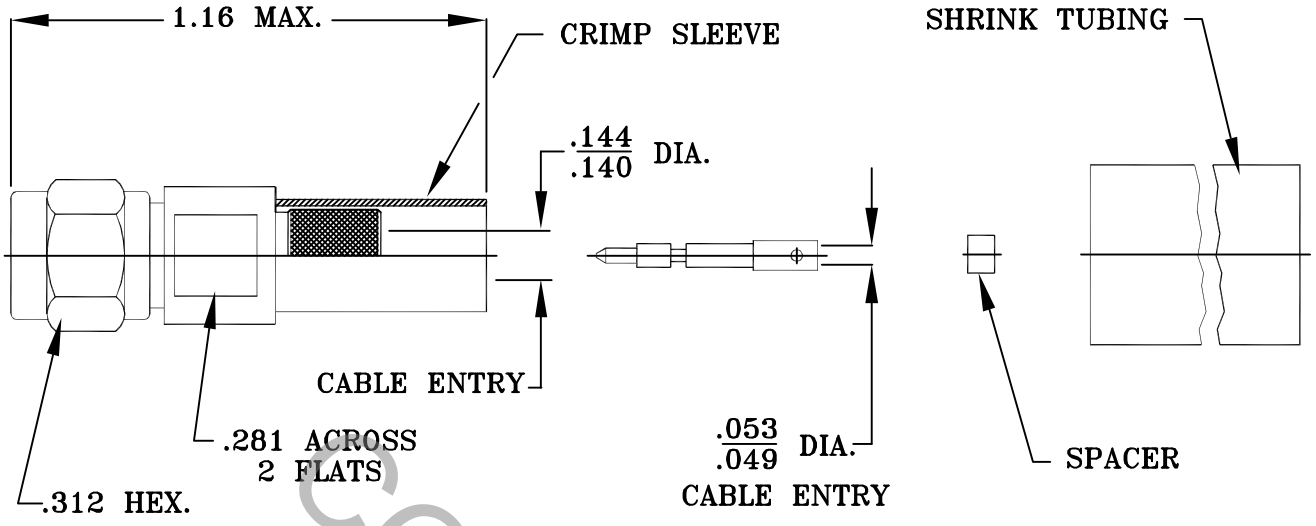
SPECIFICATION CONTROL DRAWING



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1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-98.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 4.0 GHz.
VSWR (MAX.) ❋	1.12 : 1
INSERTION LOSS (dB MAX.)❋	.10 dB MAX.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	335
RF LEAKAGE (MIN. dB DOWN)	100 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65° C TO + 135° C
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	4.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.0

❋ TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	99-0939	10/5/99	DGG

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ±.030 .XX ±.010 .XXX ±.005	±1/64	X° ± 1° 0' X° X' ±15'

dynawave INCORPORATED
HAVERHILL MA. 01835

DRAWN KLF DATE 10/5/99

APPR. DGG DATE 10/5/99

TITLE SMA, PLUG, STRAIGHT CRIMP ATTACHMENT TO DYNAWAVE LOW LOSS CABLE (P/N : 9-40041)

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 9800-3530-6260

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. IN./LBS.)	2.0
CONNECTOR DURABILITY (MIN. CYCLES)	1,000
COUPLING NUT PROOF TORQUE	45.0 IN/LBS MIN.
RECOMMENDED MATING TORQUE	
INTERFACE	7.0 TO 10.0 IN./LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 ° c TO + 150 °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.) (250 VRMS)

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5. MATERIAL

CONNECTOR BODY AND COUPLING NUT	STAINLESS STEEL PER ASTM A 581, TYPE 303. COND. A.
CRIMP SLEEVE AND CENTER CONTACT	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000
RETAINING RING	BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.
INSULATOR AND SPACER	TEFLON PER ASTM D 4894–91
GASKET	SILICONE RUBBER PER ZZ–R–765, CLASS IIB, GRADE 50 OR 60.
SHRINK TUBING	POLYOLEFIN PER MIL–I–23053/5 COLOR (BLACK)

6. FINISH

CONNECTOR BODY AND COUPLING NUT	PASSIVATE PER QQ–P–35C, TYPE VI.
CRIMP SLEEVE	"TRI–M3" ALLOY, 55%–60% COPPER, 25%–28% TIN AND 14%–18% ZINC. .0001 TO .0002 THICK.
CENTER CONTACT	GOLD PER ASTM B 488, TYPE 2, CODE A, CLASS 1.5 (.000010 MAX.) OVER COPPER PER MIL–C–14550 (.000040 MIN. THK.)
INSULATOR, GASKET, RETAINING RING SPACER AND SHRINK TUBING	N/A