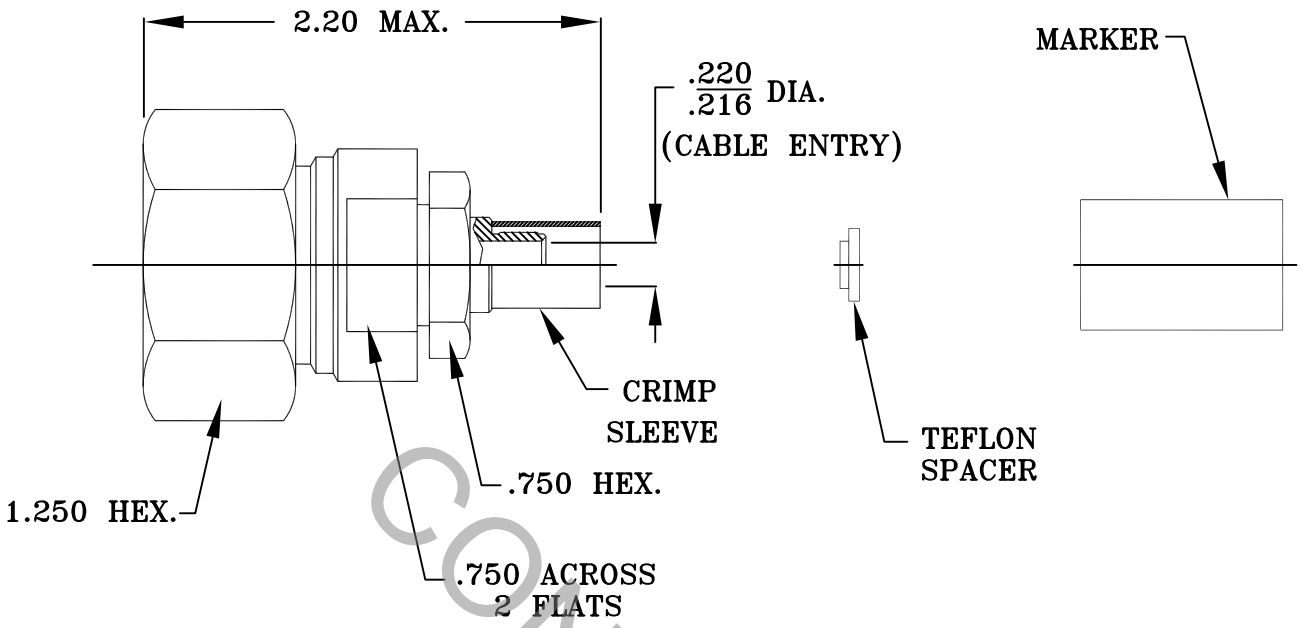
SPECIFICATION CONTROL DRAWING



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1. MATING

INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-48.

2. ELECTRICAL

FREQUENCY RANGE	DC TO 2.5 GHz.
VSWR (MAX.) ❋	1.12 : 1
INSERTION LOSS (dB MAX.)	.15 dB
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	500
RF LEAKAGE (MIN. dB DOWN)	75 dB – FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	−65° c TO + 135° c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,500
INSULATION RESISTANCE (MIN. MEGOHMS)	10,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	4.0
• OUTER CONTACT (MAX. MILLIOHMS)	2.5

❋ GATED TEST DATA

RoHS COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	99-0152	3/9/99	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 TS DATE 3/9/99

APPROVED DGG DATE 3/9/99

TITLE 7/16 DIN STRAIGHT, CRIMP ATTACHMENT TO DYNAWAVE LOW LOSS CABLE (P/N : 9-40039)

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 4800-5130-2140

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT

- MIN. AXIAL FORCE — 6.0 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) — 500

RECOMMENDED MATING TORQUE

INTERFACE — 45.0 TO 50.0 IN./LBS.

4. ENVIRONMENTAL

TEMPERATURE CYCLING	MIL–STD–202, METHOD 102, COND. C (–65 ° c TO + 135 °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.) (375 VRMS)

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5. MATERIAL

CONNECTOR BODY, COUPLING NUT AND CRIMP SLEEVE	BRASS PER ASTM B16, TEMPER H02, ALLOY C36000
CENTER CONTACT AND RETAINING RING	BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.
INSULATOR AND SPACER	TEFLON PER ASTM D 4894–91
O'RING	SILICONE RUBBER
MARKER	POLYOLEFIN PER MIL–I–23053/5 COLOR (BLACK)

6. FINISH

CONNECTOR BODY, COUPLING NUT AND 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, SPACER, O'RING AND MARKER	N/A