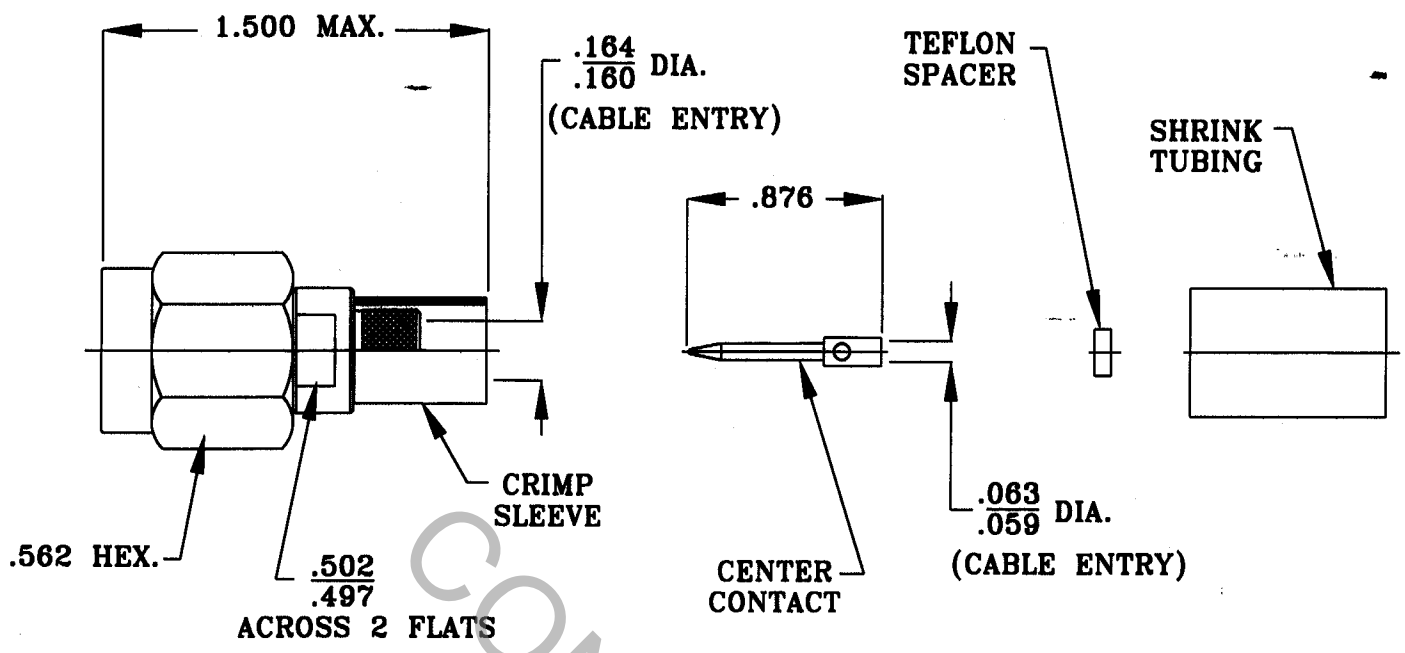
SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER DYNAWAVE SPECIFICATION MD-84-1.

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 10.0 GHz.
VSWR (MAX.) *	1.25
INSERTION LOSS (dB MAX.)*	.15 dB MAX.
NOMINAL IMPEDANCE (OHMS)	50
VOLTAGE RATING (MAX. VRMS)	500
RF LEAKAGE (MIN. dB DOWN)	60 dB - FGHz.
TEMPERATURE RATING (DEGREES CENTIGRADE)	-65°c TO + 135°c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	1,000
INSULATION RESISTANCE (MIN. MEGOHMS)	5,000
CONTACT RESISTANCE	
• CENTER CONTACT (MAX. MILLIOHMS)	2.0
• OUTER CONTACT (MAX. MILLIOHMS)	3.0

* TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.
AA	00-0721	6/8/00	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 KLT DATE 6/8/00

APPROVED DGG DATE 6/8/00

TITLE TNC, PLUG
STRAIGHT, CRIMP ATTACHMENT
LMR-240-FR CABLE
(P/N : 9-40043)

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 8400-2430-2180

SPECIFICATION CONTROL DRAWING

3. MECHANICAL

CAPTIVATION–CENTER CONTACT
- MIN. AXIAL FORCE — N/A
- 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 — 35.0 TO 30.0 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.) (250 VRMS)

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
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, 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.)
RETAINING RING, INSULATOR, SPACER, GASKET, AND SHRINK TUBING	N/A