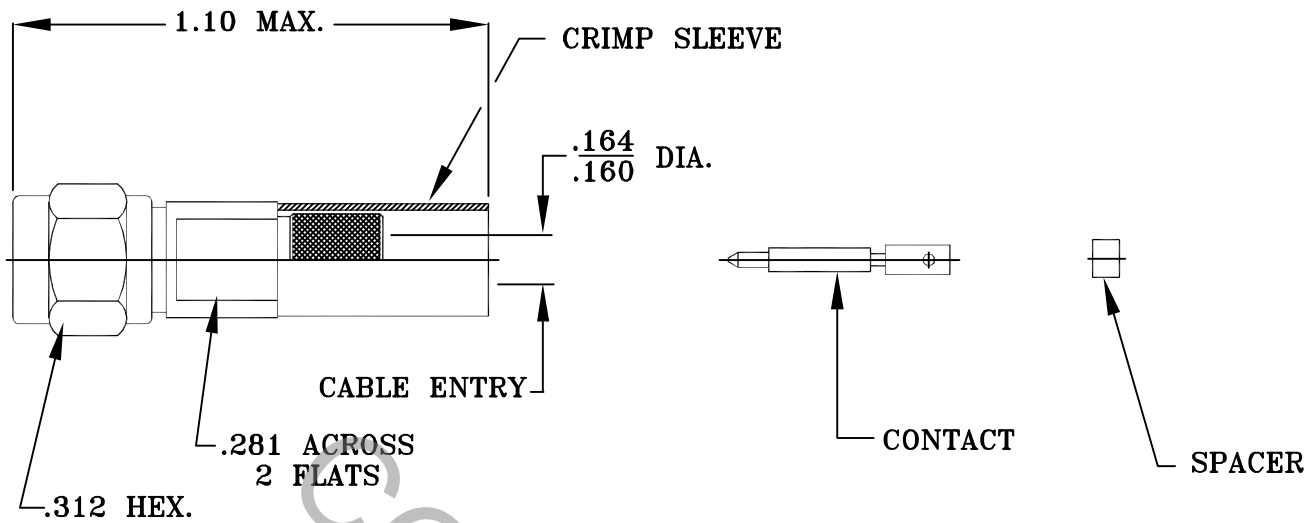


SPECIFICATION CONTROL DRAWING




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

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 10.0 GHz.
VSWR (MAX.) *	1.20 : 1
INSERTION LOSS (dB MAX.)	.15 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 + 165° 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.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL MA. 01835
AA	00-0993	8/1/00	GL	DECIMALS	FRACTIONAL	ANGULAR	
AB	00-1323	10/26/00	AJH	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'	
				DRAWN EH	DATE: 8/1/00	TITLE SMA, PLUG, STRAIGHT CRIMP ATTACHMENT LMR-240-FR, FLEXIBLE CABLE (P/N : 54029)	
				APPR. GL	DATE: 8/1/00		
				CODE IDENT. 2J899	SHEET 1 OF 2	DWG. NO. 9800-2430-2180	

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) _____ 500

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 + 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.) (250 VRMS)

5. MATERIAL

COUPLING NUT _____ STAINLESS STEEL PER ASTM A 581, TYPE 303. COND. A.

CONNECTOR BODY, 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.

6. FINISH

COUPLING NUT _____ PASSIVATE PER QQ-P-35C, TYPE VI

CONNECTOR BODY & 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 AND SPACER _____ N/A



SHEET 2 OF 2

DWG.
NO.

9800-2430-2180

REV.

AB