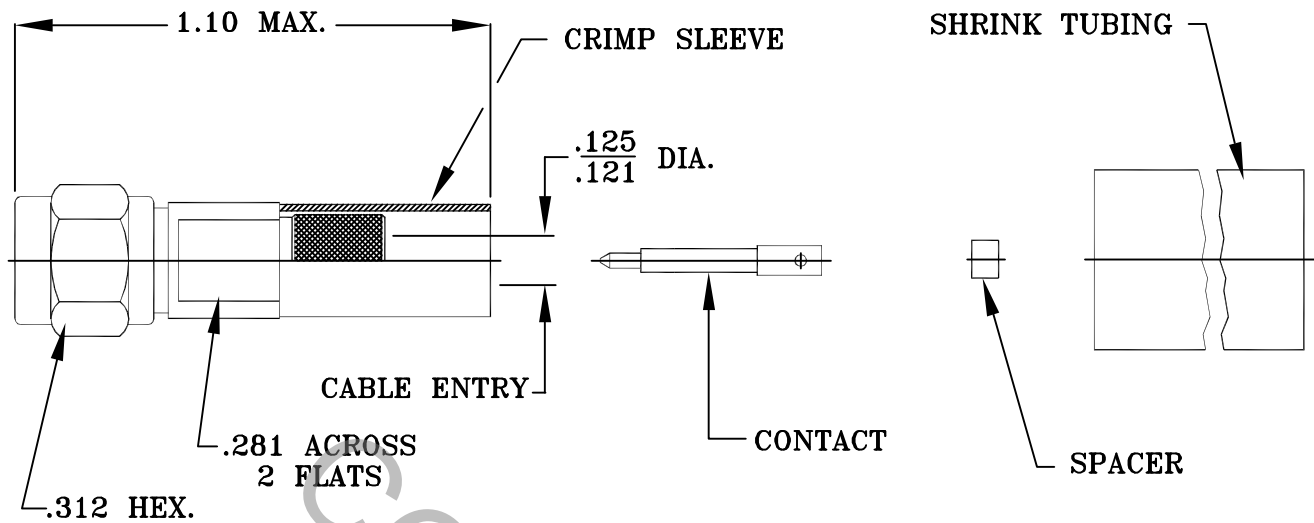


# SPECIFICATION CONTROL DRAWING




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	00-0710	6/1/00	DGG	DECIMALS	FRACTIONAL	ANGULAR	
AB	00-1001	8/1/00	AJH	.X ± .030 .XX ± .010 .XXX ± .005	± 1/64	X° ± 1° 0' X° X' ± 15'	
				DRAWN EH	DATE 6/1/00	<b>TITLE SMA, PLUG, STRAIGHT CRIMP ATTACHMENT LMR-195-FR, FLEXIBLE</b>	
				APPR. DGG	DATE 6/1/00		
				CODE IDENT.	SHEET 1 OF 2	DWG. NO.      9800-1930-2180	
				2J899			

# 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.  
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.  
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 AND BODY \_\_\_\_\_ "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 \_\_\_\_\_ N/A  
SPACER AND SHRINK TUBING



SHEET 2 OF 2

DWG.  
NO.

9800-1930-2180

REV.

AB