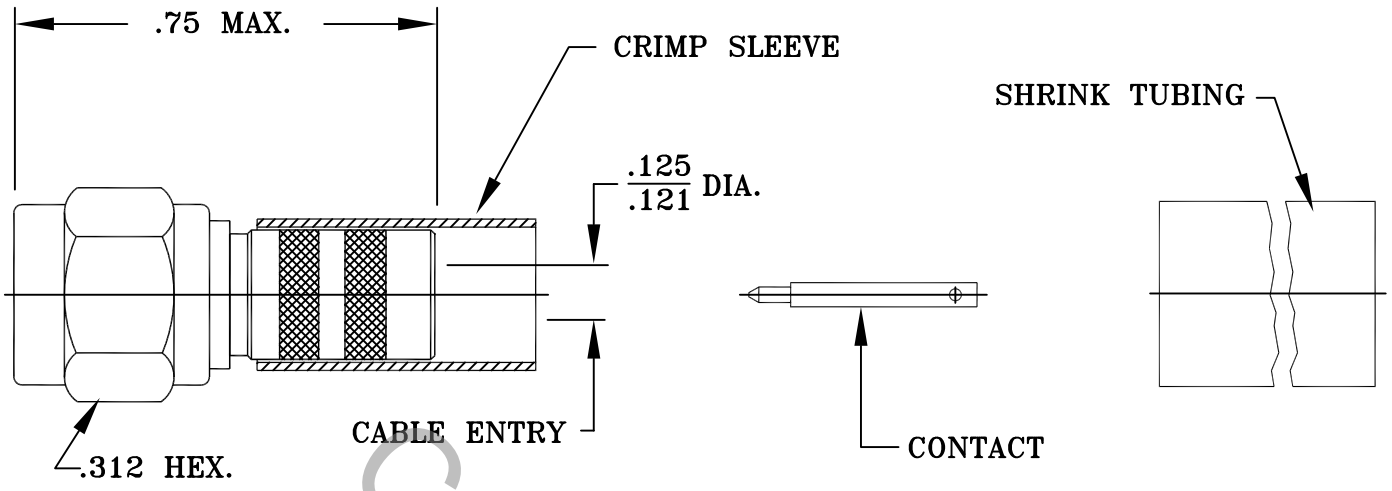
SPECIFICATION CONTROL DRAWING



1. MATING

INTERFACE DIMENSIONS PER MIL-STD-348 Fig. 310.1 (SMA PLUG).

2. ELECTRICAL

FREQUENCY RANGE GHz	DC TO 10.0 GHz.
VSWR (MAX.) ❋	1.25 : 1
INSERTION LOSS (dB MAX.)	.20dB 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

RoHS COMPLIANT

REV.	DCN NO.	DATE	APP.
AA	01-0204	3/12/01	TS
AB	13-2539	11/8/13	DC

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: 3/12/01

APP.: TS DATE: 3/12/01

TITLE
SMA, PLUG, STRAIGHT
CRIMP ATTACHMENT
LMR-195-FR, FLEXIBLE

CODE IDENT. 2J899

SHEET 1 OF 2

DWG. NO. 9800-1930-2300

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

BODY, CRIMP SLEEVE, CENTER CONTACT AND COUPLING NUT	BRASS PER ASTM–B–16, TEMPER H02, ALLOY C36000.
RETAINING RING	BERYLLIUM COPPER PER ASTM–B–196/B, 196M–03, COPPER ALLOY No. UNS–C17300, TEMPER TD04.
INSULATOR	TEFLON PER ASTM–D–1710–02, TYPE 1, GRADE 1, CLASS B.
GASKET	SILICONE RUBBER PER ZZ–R–765.
SHRINK TUBING	POLYOLEFIN PER MIL–I–23053/5 COLOR (BLACK)

6. FINISH

CONNECTOR BODY, COUPLING NUT AND CRIMP SLEEVE	GOLD PER ASTM B 488, TYPE 2, CODE C, CLASS 0.25
CENTER CONTACT	GOLD PER ASTM B 488, TYPE 2, CODE A, CLASS 1.5 (.000010 MAX.) OVER COPPER PER AMS–2418 (.000040 MIN. THK.)
INSULATOR, GASKET, RETAINING RING AND SHRINK TUBING	N/A