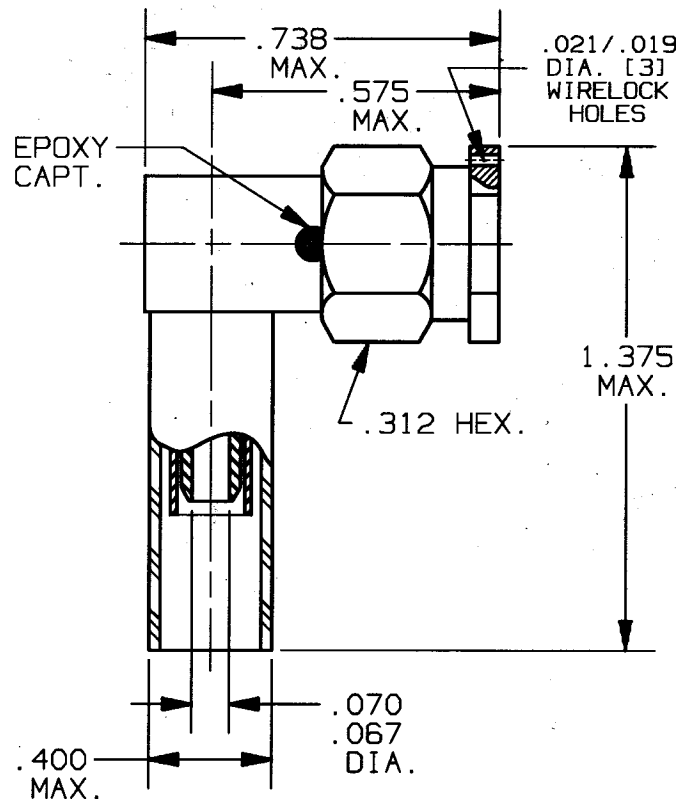
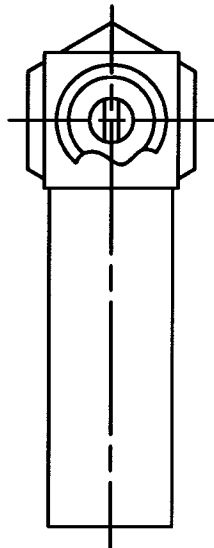


ENG. FILE COPY

CONFIGURATION: [TOLERANCE ± .005 UNLESS OTHERWISE SPECIFIED]



SMA PLUG, CUBED RIGHT ANGLE, CRIMP,
FOR M17/119-RG174 CABLE

DWG. NO.

M39012/56-3026

ELECTRICAL:

NOMINAL IMPEDANCE (OHMS) 50
FREQUENCY RANGE (GHZ) DC TO 12.4
VOLTAGE RATING (MAX. VRMS) 250
VSWR (MAX.) 1.15 + .030 x GHz
INSERTION LOSS (DB MAX.) .15
RF LEAKAGE (MIN. DB DOWN) 60
RF HIGH POTENTIAL (MAX. VRMS) 500 AT 5 MHz
DIELECTRIC WITHSTANDING VOLT. (MAX. VRMS) 750
INSULATION RESISTANCE (MIN. MEGOHMS) 5000
CONTACT RESISTANCE:
CENTER CONTACT (MAX. MILLIOHMS) 4.0
OUTER CONTACT (MAX. MILLIOHMS) 2.0

MECHANICAL:

PER MIL-C-39012/56, MIL-STD 348 AND S/V MD-107
INTERFACE DIMENSIONS 7-10 IN. LBS.
RECOMMENDED MATING TORQUE 7-10 IN. LBS.
CENTER CONTACT AXIAL FORCES:
INSERTION (MAX. OUNCES) N/A
WITHDRAWAL (MIN. OUNCES) N/A
CONNECTOR DURABILITY (MIN. CYCLES) 500
CONNECTOR ENGAGEMENT & DISENGAGEMENT
(AXIAL FORCE - MAX. INCH LBS.) 2.0
CENTER CONTACT CAPTIVATION 6.0 LBS. MIN. AXIAL FORCE

ENVIRONMENTAL:

TEMP. RATING (DEGREES CENTIGRADE) -65° TO +115°C
VIBRATION (MIL-STD-202, METHOD 204, CONDITION D, 20G'S)
SHOCK (MIL-STD-202, METHOD 213, COND. I, 100G'S)
TEMP. CYCLING (MIL-STD-202, METHOD 107, COND. B, -65° TO 125° C)
MOISTURE RESISTANCE (MIL-STD-202, METHOD 106, LESS STEP 7B)
BAROMETRIC PRESSURE (ALTITUDE), MIL-STD-202, METHOD 105,
COND. C, 70,000 FT., 190 VRMS
HERMETICITY N/A

MATERIAL & FINISH:

BODIES, CAP AND COUPLING NUT: STAINLESS STEEL PER AMS 5640, UNS S30300, TYPE 1; PASSIVATED PER QQ-P-35, TYPE II.
CONTACT: BRASS PER ASTM-B-16, ALLOY 360, UNS C36000, TEMPER HALF HARD [H02]; GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 1 OVER NICKEL PER QQ-N-290, CLASS 1.
CRIMP RING: COPPER PER ASTM B 88-88A, TYPE K, TEMPER H; SILVER PLATED WITH TARNISHING PROTECTION PER QQ-S-365, TYPE II, GRADE A.
LOCK RING: BERYLLIUM COPPER PER ASTM B196, COND. TD04, ALLOY UNS C17300;
GASKET: SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50-60.
INSULATOR: TEFLON PER ASTM D1457
SHRINK TUBING: POLYOLEFIN PER MIL-I-23053/4-102-0.

SYM.	DESCRIPTION	DATE	APPR.	REDRAWN:	APPROVED:
—	REL. DCN 10275	3/86	N.D.	J.R.G.	<i>[Signature]</i>
A	REV. DCN 22240	11/95	<i>[Signature]</i>	DATE 11/29/95	DATE 11/30/95

SOLITRON/VECTOR
MICROWAVE

3301 ELECTRONICS WAY
WEST PALM BEACH, FL. 33407

DWG. NO.

M39012/56-3026