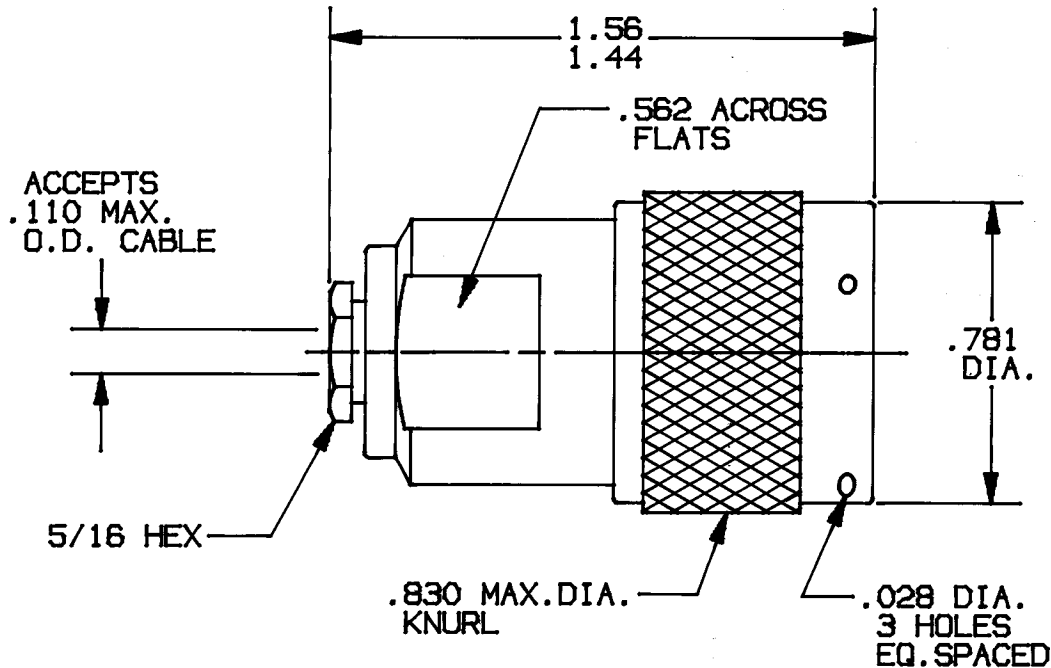


ENG. FILE COPY

CONFIGURATION



"N" PLUG, CLAMPING FOR RG174, 188 & 316/U CABLE W/CAPTIVE CONTACT

DWG. NO.

5000-0044

ELECTRICAL:

Nominal Impedance (Ohms)	50
Frequency Range (Ghz)	DC TO 12.4
Voltage Rating (Max. VRMS)	250
VSWR (Max.)	1.15 +.020 X FGHz
Insertion Loss (db Max.)	.06
RF Leakage (Min. dB down)	65 DB-FGHz
RF High Potential (max. VRMS)	500
Dielectric Withstanding Voltage (max. VRMS)	750
Insulation Resistance (Min. megohms)	5000
Contact Resistance:	
Center Contact (Max. milliohms)	1.0
Outer Contact (Max milliohms)	.2

MECHANICAL:

Interface Dimensions	PER MIL-C-39012/N SERIES & S/M MD-109
Recommended Mating Torque	6-10 In. lbs
Center Contact Axial Forces:	
Insertion (Max. ounces)	N/A
Withdrawal (Min. ounces)	N/A
Connector Durability (Min. cycles)	500
Connector Engagement & Disengagement (Max. Inch lbs.)	6.0
Center Contact Captivation	6 LBS. MIN. AXIAL FORCE

ENVIRONMENTAL:

Temp. Rating (degrees centigrade)	-65°C TO +165°C
Vibration (MIL-STD-202, Method 204, Condition D, 20g. e)	
Shock (MIL-STD-202, Method 213, Cond. I, 100g. e)	
Temp. Cycling (MIL-STD-202, Method 107, Cond. B, -65c to 200° c)	
Moisture Resistance (MIL-STD-202, Method 108, Lee Step 7b)	
Barometric Pressure (Altitude) MIL-STD-202, Method 105, Cond. C, 70,000 ft., 190 VRMS)	
Hermeticity	N/A

CABLE ASSEMBLY INSTRUCTIONS PER S/M SPEC. 300-80-013.

MATERIAL & FINISH:

BODY, COUPLING NUT, CLAMP, CLAMP NUT & BUSHING: BRASS PER QQ-B-626, 1/2 H., ALLOY 360. SILVER W/IRIDITE PER QQ-S-365, TYPE 1, GRADE A.
 CENTER CONTACT: BERYLLIUM COPPER PER QQ-C-530, COND. H, ALLOY 173. GOLD PLATED PER MIL-G-45204, TYPE 1, GRADE C, CLASS 2; OVER COPPER PER MIL-C-14550, CLASS 4.
 OUTER CONTACT: PHOSPHOR BRONZE PER ASTM-B139, ALLOY 51000. SILVER PLATED W/IRIDITE PER QQ-S-365, TYPE 1, GRADE A.
 WASHER: BRASS PER QQ-B-613, 1/2 H., ALLOY 340. SILVER PLATED WITH IRIDITE PER QQ-S-365, TYPE 1, GRADE A.
 LOCK RING: PHOSPHOR BRONZE PER QQ-B-750, 1/2 H., COMP. A.
 INSULATORS: TEFLON PER ASTM-D1710 & L-P-403, TYPE 1.
 GASKETS: SILICONE RUBBER PER ZZ-R-765, CLASS IIB, GRADE 50-60.

SYM.	DESCRIPTION	DATE	APPR.	DRAWN:	APPROVED:
—	REL. F-11534	5/89	DG	D. CARNES	DG
				DATE 5/9/89	DATE 5/10/89

SOLITRON MICROWAVE
 1167 BLUE HERON BLVD.
 RIVIERA BEACH, FL., 33404

DWG. NO.

5000-0044