

NOTES:

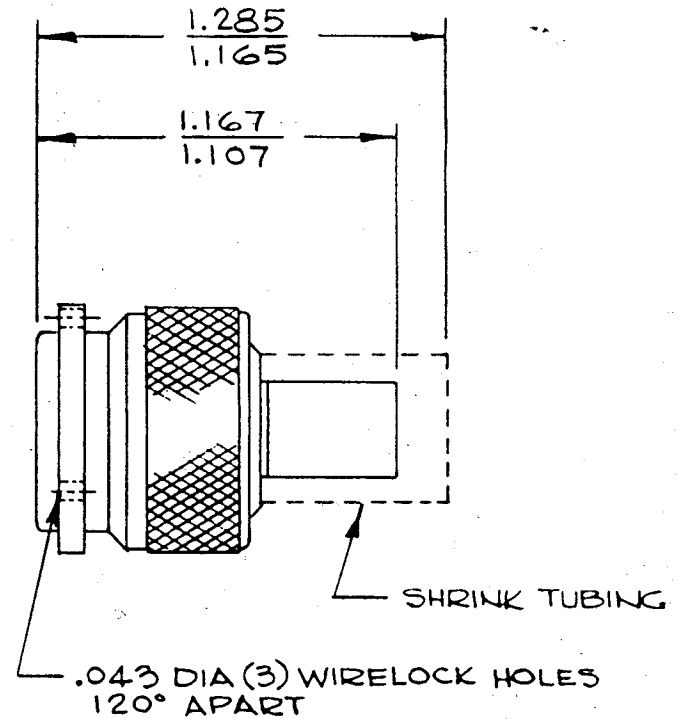
1. MATING: Interface dimensions per Mil-C-39012/TNC SERIES and Solitron/Microwave MD-108.

2. MATERIALS:
 ALL METAL PARTS EXCEPT OUTER CONTACT, CRIMP RING & LOCK RING.....
 RING.....Brass per QQ-B-626, 1/2 Hard, Alloy 360.
 OUTER CONTACT.....Beryllium Copper per QQ-C-530, Cond. H.T., Alloy 173.
 LOCK RING.....Phosphor Bronze per ASTM-B139, Alloy 51000.
 DIELECTRIC.....Teflon per Mil-P-19468 & L-P-403, Type 1.
 GASKET.....Silicone Rubber per ZZ-R-765, Class IIB, Grade 50 - 60.
 CRIMP RING.....Copper per WW-T-799, Type D, Form A, Class 1.
 SHRINK TUBING.....SCL Polyolefin per Mil-I-23053/4, Class 1.

3. FINISH:
 ALL METAL PARTS EXCEPT CENTER CONTACT & LOCK RING.....
 Silver and Iridite per QQ-S-365, Type II, Grade A.
 CENTER CONTACT.....Gold per Mil-G-45204, Type I, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.
 LOCK RING.....None.

4. CABLE ASSEMBLY INSTRUCTIONS PER SOLITRON/MICROWAVE 300-80-321.

5. CONNECTOR ACCOMMODATES RG-59, 62, 210/U Cables.



SYM	DESCRIPTION	DATE	APPR	UNLESS OTHERWISE SPECIFIED 1 ALL DIMENSIONS ARE AFTER PLATING 2 BREAK ALL CORNERS & EDGES .005 R MAX. 3 CHAMFER 1ST & LAST THREADS 45° 4 SURFACE ROUGHNESS 63 MIL-STD-10 5 DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R. 6 REMOVE ALL BURRS	SOLITRON/MICROWAVE PORT SALERNO, FLORIDA		REF ENGINEERING DATA DRAWING
-	REL.DCNF.10232	12/85	D	DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONAL ANGULAR X ± .030 XX ± .015 XXX ± .005 1/64 X'X' ± 15'	MATERIAL		TITLE TNC PLUG FOR RG- 59,62,210/U CABLE CAPTIVATED CONTACT
				DRAWN R.P.A. DATE 12-2-85	SCALE	CODE IDENT. NO.	DRAWING NO.
				CHECKED G DATE 12-85	-	95077	M39012/26-0012
				APPROVED D DATE 12-16-85		A	

ENG. FILE COPY

S/M DESIGN STANDARDS

DRAWING NO.

M39012/26-0012

REQUIREMENTS	RATINGS	REQUIREMENTS	RATINGS
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 Method 204 Cond. D (20G's)
Frequency Range (ghz)	DC 15.0	Shock	MIL-STD-202 Method 213 Cond. I (100G's)
Voltage Rating (max. vrms)	500	Temperature Cycling	MIL-STD-202 Method 107 - Cond. B (-65°C to + 200 ° C)
Temperature Rating (degrees centigrade)	-65 to + 165	Corrosion	MIL-STD-202 Method 101 Cond. B (48 Hrs.)
VSWR (max.)	N/A xFGHz	Moisture Resistance	MIL-STD-202 Method 106 Less Step 7b
Insertion Loss (dB max.)	N/A x $\sqrt{\text{FGHz}}$	Barometric Pressure (Altitude)	MIL-STD-202 Method 105 - Cond. C (70,000 ft) (375 vrms)
RF Leakage (min. dB down)	N/A dB-FGHz	Hermeticity	N/A
RF High Potential (max. vrms)	1000 at 5MHz	Captivated Contact Axial Force (lbs. Min.)	6.0
Dielectric Withstanding Voltage (max. vrms)	1500		
Insulation Resistance (min. megohms)	5000		
Contact Resistance: Center Contact (max. milliohms) Outer Contact (max. milliohms)	1.5 0.2		
Center Contact Axial Forces: Insertion (max. ounces) Withdrawal (min. ounces)	N/A		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	2.0		

REMARKS: 1) Recommended Mating Torque: 30 - 35 inch pounds.

TITLE: TNC PLUG FOR RG-59, 62 210/U
CABLES CAPTIVATED CONTACT

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.
M39012/26-0012

REV.