

1001-0001

NOTES:

1. MATING:

Interface dimensions per Mil-C-39012/TNC and BNC Series. Solitron/Microwave MD-108 and MD-125.

2. MATERIALS:

All Metal parts except Outer Contact, Lock Ring and Spring Washers:

Brass per QQ-B-626, 1/2 Hard, Alloy 360.

Outer Contact and Spring Washers:

Beryllium Copper per QQ-C-530, Cond. HT, Alloy 173.

Lock Ring:

Phosphor Bronze per ASTM-B159, Alloy 51000, Temp. H08.

Insulator:

Teflon per Mil-P-19468 and L-P-403, Type I.

Gaskets:

Silicone Rubber per ZZ-R-765, Class IIB, Grade 50 or 60.

3. FINISH:

All Metal parts except Contact and Lock Ring:

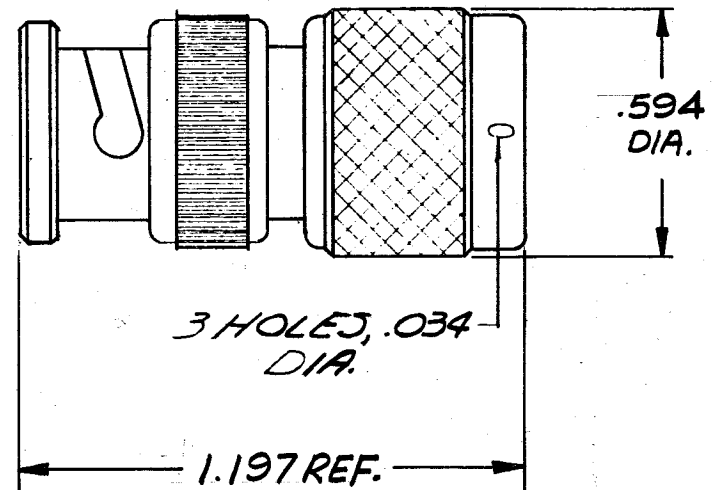
Silver per QQ-S-365, Type II, Grade A (.0002 min.)

Contacts:

Gold per Mil-G-45204, Type II, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.

Lock Ring:

None.



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED 1 REMOVE ALL BURRS 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 ALL DIMENSIONS ARE AFTER PLATING	SOLITRON/MICROWAVE PORT SALERNO, FLORIDA			REF. ENGINEERING DATA DRAWING
A	REV. F-7612	2/80	DGG		MATERIAL	TITLE BNC MALE TO TNC MALE ADAPTER		
				DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONAL ANGULAR .X ± .030 X' ± 1°0' .XX ± .015 ± 1/64 X'X ± 15' .XXX ± .005	FINISH			
				DRAWN ND DATE 1-30-80	SCALE	CODE IDENT. NO. 95077	SIZE A	DRAWING NO. 1001-0001
				CHECKED DATE				SHEET 1 OF 2
				APPROVED DGG DATE 2/4/80				

REQUIREMENT	RATING	REQUIREMENT	RATING
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-6.0		
Voltage Rating (max. vrms)	500	Shock	MIL-STD-202 method 213 Cond. I (100G's)
Temperature Rating (degrees centigrade)	-65 To +165		
VSWR (max.)	1.07 +.007xFGHZ	Temperature Cycling	MIL-STD-202 method 102 - Cond. C (-65°C To +200°C)
Insertion Loss (dB max.)	.05x $\sqrt{\text{FGHZ}}$		
RF Leakage (min. dB down)	60 dB-FGHZ	Corrosion	MIL-STD-202 method 101 Cond. B (48 hrs.)
RF High Potential (max. vrms)	1000 AT 5MHZ		
Dielectric Withstanding Voltage (max. vrms)	1500	Moisture	MIL-STD-202 method 106 less step 7b
Insulation Resistance (min. megohms)	5000		
Contact Resistance Center Contact (max. milliohms) Outer Contact (max. milliohms)	3.0 0.2	Barometric Pressure (Altitude)	MIL-STD-202 method 105 Cond. C (70,000 ft.) (375 vrms)
Center Contact Axial Forces Insertion (max. ounces) Withdrawal (min. ounces)	N/A		
Connector Durability (min. cycles)	500	Hermeticity	N/A
Connector Engagement & Disengagement (max. inch lbs.)	2.0		
		Captivation Center Contact: (Min. Axial Force)	6 Lbs.

REMARKS: 1.) RECOMMENDED MATING TORQUE: (TNC 30-35 INCH POUNDS) (BNC N/A)