

M55339/33-00001

NOTES:

1. MATING:

Interface dimensions per Mil-A-55339/TNC Series and Solitron/Microwave MD-108.

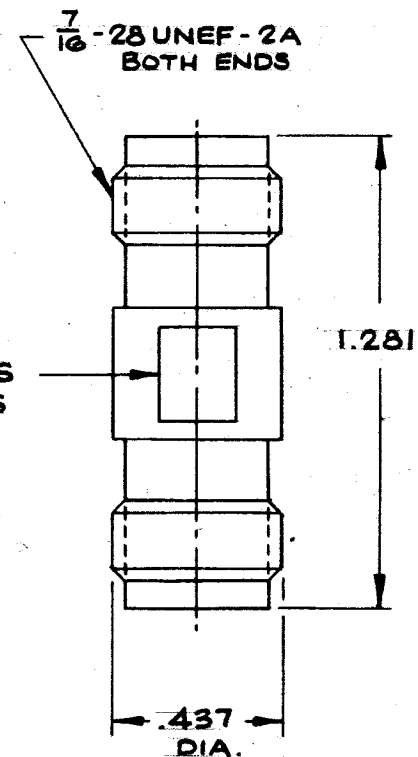
2. MATERIALS:

Body and Sleeve: Brass $\frac{1}{2}$ H, per QQ-B-626, Alloy 360.
 Contact: Beryllium Copper per QQ-C-530, Cond. HT. Alloy 173.
 Dielectric: Teflon per Mil-P-19468, AMS 3659B & L-P-403, Type 1.

3. FINISH:

Body and Sleeve: Nickel per QQ-N-290, Grade G, Class 1;
 over Copper per Mil-C-14550, (.000010 Min.).
 Contact: Gold per Mil-G-45204, Type I, Grade C,
 Class 2; over Copper per Mil-C-14550,
 Class 4.

.375 ACROSS
(2) FLATS



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.
REL.	F-10620	11/86	[Signature]		MATERIAL		ENGINEERING DATA DRAWING
					FINISH		TITLE
							TNC JACK to TNC JACK STRAIGHT ADAPTER
					SCALE	CODE IDENT. NO.	DRAWING NO.
						95077	M55339/33-00001
						A	SHEET 1 OF 2

ENG. FILE COPY

S/M DESIGN STANDARDS

DRAWING NO.

M55339/33-00001

REQUIREMENTS

RATINGS

Nominal Impedance (ohms)

50

Frequency Range (ghz)

DC - 11.0

Voltage Rating (max. vrms)

500

Temperature Rating (degrees centigrade)

-65° to + 165°

VSWR (max.)

1.25 Max.

Insertion Loss (dB max.)

.12 Max. At 3 GHz
.25 Max. At 9 GHz

RF Leakage (min. dB down)

55 dB-FGHz

RF High Potential (max. vrms)

1000 at 5MHz

Dielectric Withstanding Voltage (max. vrms)

1500

Insulation Resistance (min. megohms)

5000

Contact Resistance:

Center Contact (max. milliohms)

2.0

Outer Contact (max. milliohms)

.2

Center Contact Axial Forces:

Insertion (max. ounces)

24.0

Withdrawal (min. ounces)

2.0

Connector Durability (min. cycles)

500

Connector Engagement & Disengagement
(max. inch lbs.)

2.0

REQUIREMENTS

RATINGS

Vibration

MIL-STD-202

Method 204

Cond. D (20G's)

Shock

MIL-STD-202

Method 213

Cond. I (100G's)

Temperature
Cycling

MIL-STD-202

Method 107 - Cond. B

(-65°C to + 200 ° C)

Corrosion

MIL-STD-202

Method 101

Cond. B (48 Hrs.)

Moisture
Resistance

MIL-STD-202

Method 106

Less Step 7b

Barometric Pressure
(Altitude)

MIL-STD-202

Method 105 - Cond. C

(70,000 ft) (375 vrms)

CAPTIVATION:
Center Contact
Min. Axial Force

6 lbs.

REMARKS: 1) Recommended Mating Torque: 30 - 35 Inch Pounds.

TITLE: TNC JACK TO TNC JACK
STRAIGHT ADAPTER.

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.

M55339/33-00001

REV.

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