

ENG. FILE COPY

S/M DESIGN STANDARDS

DRAWING NO.
1002-0001

REQUIREMENTS

RATINGS

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Nominal Impedance (ohms)

50

Frequency Range (ghz)

DC-6.0

Voltage Rating (max. vrms)

500

Temperature Rating (degrees centigrade)

-65° to +165°

VSWR (max.)

1.07 + .009 xFGHZ

Insertion Loss (dB max.)

.05 x $\sqrt{\text{FGHZ}}$

RF Leakage (min. dB down)

60 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)

3.0

Outer Contact (max. milliohms)

0.2

Center Contact Axial Forces:

TNC

BNC

Insertion (max. ounces)

24.0

Withdrawal (min. ounces)

2.0

N/A

Connector Durability (min. cycles)

500

Connector Engagement & Disengagement

TNC

BNC

~~(maxxxxinchxlbxx)~~

2 in/lbs.

2 lbs.

REMARKS: 1) Recommended Mating Torque: TNC 30-35 inch pounds.
BNC N/A

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 102 - Cond. C
(-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)

TITLE: TNC MALE TO BNC FEMALE ADAPTER

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.
1002-0001

REV.

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