

Coaxial

N-Type Fixed Attenuator

50Ω 100W 40dB DC to 4000 MHz

BW-40N100W+



CASE STYLE: GH986

| Connectors | Model | Price | Qty. |
|--------------|-------------|--------------|-------|
| N-Male-N-Fem | BW-40N100W+ | \$249.00 ea. | (1-9) |

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C**

**With mated connectors. Unmated, 85°C max.

Permanent damage may occur if any of these limits are exceeded.

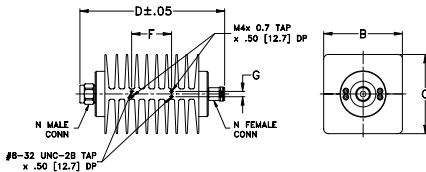
Features

- DC to 4000 MHz
- excellent VSWR, 1.20:1
- N-Male and N-Female connectors
- bi-directional

Applications

- matching
- instrumentation
- test set-ups

Outline Drawing



Electrical Specifications

| FREQ. RANGE ¹ (MHz) | ATTENUATION (dB) | | VSWR (:1) | | | POWER ² (W) |
|-----------------------------------|---------------------|----------|--------------|-----------|---------|---------------------------|
| | Nom. | ACCURACY | DC-0.5 GHz | 0.5-2 GHz | 2-4 GHz | |
| f_L - f_U | | | Max. | Max. | Max. | |
| DC-4000 | 40 | ±1.6 | 1.15 | 1.35 | 1.4 | 100 |

Temperature coefficient for attenuation .0004 dB/dB/°C typ.

1. Useable to 5 GHz

2. Average power at 25°C ambient, derate linearly to 50W at 100°C, bi-directional

Peak power 1kW max., 5µ sec pulse width, 100 Hz PRF

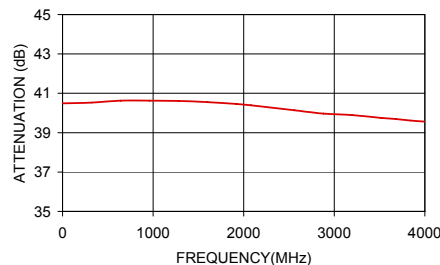
Typical Performance Data

| Frequency (MHz) | Attenuation (dB) | VSWR (:1) |
|--------------------|---------------------|--------------|
| 1.00 | 40.49 | 1.03 |
| 320.92 | 40.53 | 1.04 |
| 640.84 | 40.63 | 1.06 |
| 960.76 | 40.63 | 1.09 |
| 1280.68 | 40.61 | 1.11 |
| 1600.60 | 40.55 | 1.13 |
| 1920.52 | 40.46 | 1.14 |
| 2080.48 | 40.39 | 1.15 |
| 2560.36 | 40.14 | 1.16 |
| 2880.28 | 39.97 | 1.16 |
| 3200.20 | 39.89 | 1.16 |
| 3520.12 | 39.75 | 1.15 |
| 3680.08 | 39.69 | 1.14 |
| 3840.04 | 39.62 | 1.14 |
| 4000.00 | 39.56 | 1.14 |

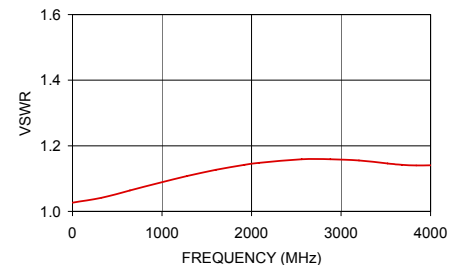
Outline Dimensions (inch/mm)

| B | C | D | E | F | G | wt. |
|-------|-------|--------|----|-------|------|--------|
| 3.46 | 3.46 | 6.36 | -- | 1.75 | .23 | grams |
| 87.88 | 87.88 | 161.54 | -- | 44.45 | 5.84 | 1100.0 |

BW-40N100W+
ATTENUATION



BW-40N100W+
VSWR



Mini-Circuits®
ISO 9001 ISO 14001 AS 9100 CERTIFIED

For detailed performance specs & shopping online see web site

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IF/RF MICROWAVE COMPONENTS

Notes: 1. Performance and quality attributes and conditions not expressly stated in this specification sheet are intended to be excluded and do not form a part of this specification sheet. 2. Electrical specifications and performance data contained herein are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. 3. The parts covered by this specification sheet are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp.

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