

Type-N/BNC

Adaptenuator

NF-BF-3

50Ω 0.5W 3dB DC to 2000 MHz



CASE STYLE: DJ868

Maximum Ratings

| | |
|---|----------------|
| Operating Temperature | -55°C to 100°C |
| Storage Temperature | -55°C to 150°C |
| Permanent damage may occur if any of these limits are exceeded. | |

Features

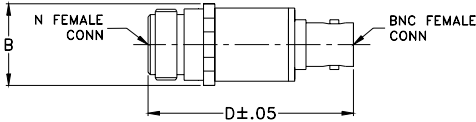
- improved interface matching
- wideband, DC to 2000 MHz, useable to 4000 MHz
- excellent VSWR, 1.1:1 typ.
- excellent flatness, ±0.1dB typ.
- rugged unibody construction

| Connectors | Model | Price | Qty. |
|-------------------|---------------------|---------|--------------------|
| Conn1 N-Female | Conn2 BNC-Female | NF-BF-3 | \$19.95 ea. (1-24) |

Applications

- instrumentation
- provides attenuation and connector type change
- minimizes hardware

Outline Drawing



Electrical Specifications

| FREQ. (MHz) | ATTENUATION (dB) | | | | | | VSWR (:1) | | | | | | MAX. INPUT POWER (W) | |
|----------------|------------------|------|------|------|------|------|------------|------|-------------|------|-------------|------|----------------------|------|
| | Flatness* | | | | | | DC-500 MHz | | DC-1000 MHz | | DC-2000 MHz | | | |
| | Nom. | Typ. | Max. | Typ. | Max. | Typ. | Max. | Typ. | Max. | Typ. | Max. | Typ. | | Max. |
| DC-2000 | 3±0.3 | 0.05 | 0.15 | 0.10 | 0.20 | 0.15 | 0.25 | 1.1 | 1.2 | 1.1 | 1.2 | 1.2 | 1.25 | 0.5 |

*Flatness defined as peak to peak attenuation over band divided by 2.

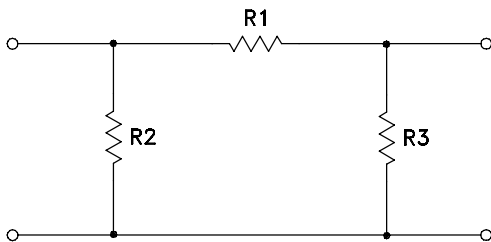
Outline Dimensions (inch/mm)

| B | D | wt |
|-------|-------|-------|
| .73 | 1.79 | grams |
| 18.54 | 45.47 | 40.2 |

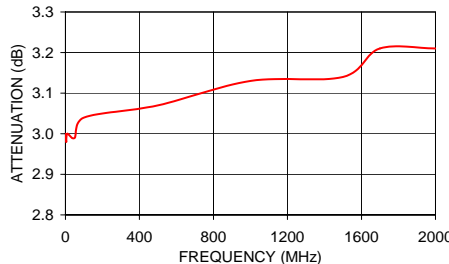
Typical Performance Data

| FREQUENCY (MHz) | ATTENUATION (dB) | VSWR (:1) | |
|-----------------|------------------|------------|----------|
| | | BNC-Female | N-Female |
| 1.00 | 3.00 | 1.00 | 1.00 |
| 5.00 | 2.98 | 1.00 | 1.00 |
| 10.00 | 3.00 | 1.00 | 1.00 |
| 50.00 | 2.99 | 1.01 | 1.01 |
| 100.00 | 3.04 | 1.02 | 1.01 |
| 500.00 | 3.07 | 1.07 | 1.06 |
| 1000.00 | 3.13 | 1.08 | 1.11 |
| 1500.00 | 3.14 | 1.06 | 1.11 |
| 1700.00 | 3.21 | 1.05 | 1.10 |
| 2000.00 | 3.21 | 1.04 | 1.06 |

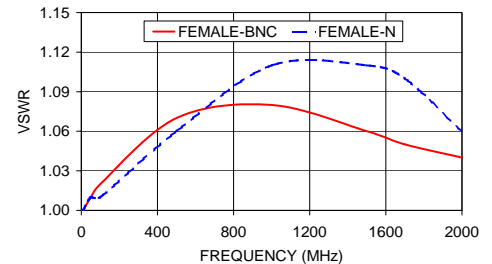
Electrical Schematic



NF-BF-3 ATTENUATION



NF-BF-3 VSWR



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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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