

Coaxial

N-Type Fixed Attenuator

50Ω 1W 12 dB DC to 6000 MHz

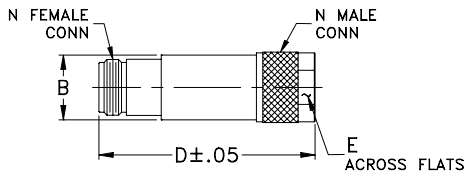
Maximum Ratings

Operating Temperature -45°C to 100°C

Storage Temperature -55°C to 100°C

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

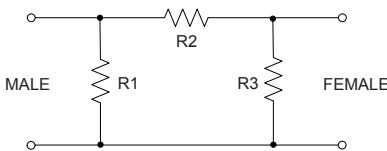
Outline Drawing



Outline Dimensions (inch/mm)

| B | D | E | wt |
|-------|-------|-------|-------|
| .68 | 2.11 | .718 | grams |
| 17.27 | 53.59 | 18.24 | 72.5 |

Electrical Schematic



Features

- wideband coverage, DC to 6000 MHz
- 1 watt rating
- rugged unibody construction
- off-the-shelf availability
- very low cost

Applications

- impedance matching
- signal level adjustment

UNAT-12+
UNAT-12



CASE STYLE: FF779

| Connectors | Model | Price | Qty. |
|------------|------------|-------------|-------|
| N-Type | UNAT-12(+) | \$17.95 ea. | (1-9) |

+RoHS Compliant

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

Electrical Specifications

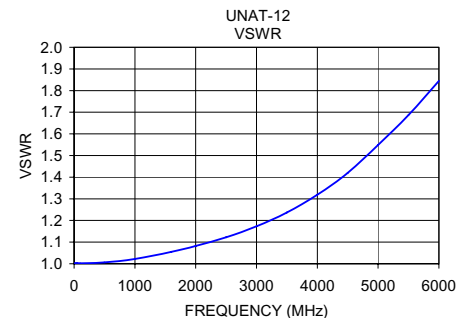
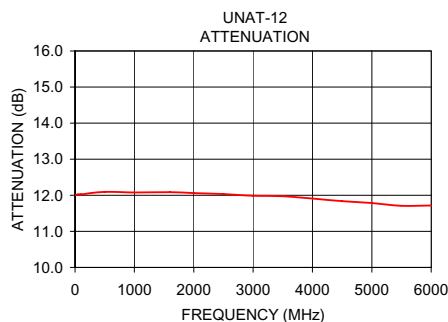
| FREQ. RANGE (MHz) | ATTENUATION * (dB) Flatness ** | | | | | | VSWR (:1) | | | | | | MAX. INPUT POWER (W) |
|-------------------------|---|------|------|------|------|------|----------------------------------|------|------|------|------|------|-------------------------------|
| | DC-3 GHz 3-4.5 GHz 4.5-6 GHz DC-6 GHz | | | | | | DC-3 GHz 3-4.5 GHz 4.5-6 GHz | | | | | | |
| | Nom. | | Typ. | Typ. | Typ. | Typ. | Typ. | | Max. | Typ. | Max. | Typ. | |
| | | | | | | | | | | | | | |
| DC-6000 | 12±0.3 | 0.15 | 0.20 | 0.15 | 0.35 | | 1.15 | 1.35 | 1.20 | 1.80 | 1.80 | 1.0 | |

* Attenuation varies by 0.3 dB max. over temperature.

** Flatness= variation over band divided by 2.

Typical Performance Data

| Frequency (MHz) | Attenuation (dB) | VSWR (:1) |
|-----------------|------------------|-----------|
| 10 | 12.00 | 1.00 |
| 50 | 12.03 | 1.00 |
| 100 | 12.03 | 1.00 |
| 500 | 12.10 | 1.01 |
| 1000 | 12.08 | 1.02 |
| 1600 | 12.08 | 1.06 |
| 2000 | 12.06 | 1.08 |
| 2500 | 12.04 | 1.12 |
| 3000 | 11.99 | 1.17 |
| 3500 | 11.97 | 1.24 |
| 4000 | 11.91 | 1.32 |
| 4500 | 11.84 | 1.42 |
| 5000 | 11.79 | 1.55 |
| 5500 | 11.71 | 1.69 |
| 6000 | 11.72 | 1.84 |



Notes

A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.

B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.

C. The parts covered by this specification document 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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Page 1 of 1