

Coaxial

# N-Type Fixed Attenuator

50Ω 1W 5dB DC to 6000 MHz

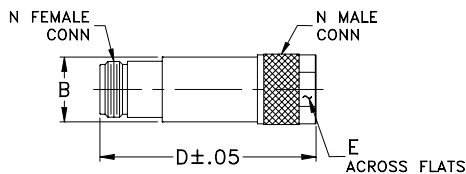
## Maximum Ratings

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  |

## 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-5+



CASE STYLE: FF779

| Connectors | Model   | Price       | Qty.  |
|------------|---------|-------------|-------|
| N-Type     | UNAT-5+ | \$17.95 ea. | (1-9) |

### +RoHS Compliant

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

## Electrical Specifications

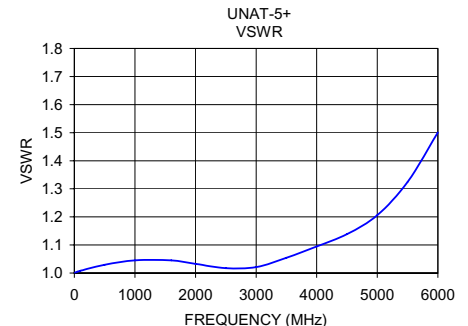
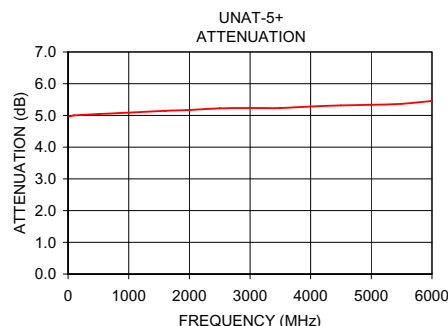
| FREQ.<br>RANGE<br>(MHz) | ATTENUATION *<br>(dB)<br>Flatness **  |      |      |      |      | VSWR<br>(:1)                 |      |      |      |      | MAX.<br>INPUT<br>POWER<br>(W) |
|-------------------------|---------------------------------------|------|------|------|------|------------------------------|------|------|------|------|-------------------------------|
|                         | 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                 | 5±0.3                                 | 0.15 | 0.15 | 0.10 | 0.35 | 1.05                         | 1.20 | 1.10 | 1.43 | 1.50 | 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              | 4.97             | 1.00      |
| 50              | 4.98             | 1.00      |
| 100             | 5.00             | 1.01      |
| 500             | 5.05             | 1.03      |
| 1000            | 5.09             | 1.04      |
| 1600            | 5.15             | 1.04      |
| 2000            | 5.17             | 1.03      |
| 2500            | 5.22             | 1.02      |
| 3000            | 5.24             | 1.02      |
| 3500            | 5.23             | 1.05      |
| 4000            | 5.28             | 1.09      |
| 4500            | 5.32             | 1.14      |
| 5000            | 5.34             | 1.21      |
| 5500            | 5.36             | 1.32      |
| 6000            | 5.46             | 1.50      |



## 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/VCLStore/terms.jsp](http://www.minicircuits.com/VCLStore/terms.jsp)



[www.minicircuits.com](http://www.minicircuits.com) P.O. Box 350166, Brooklyn, NY 11235-0003 (718) 934-4500 sales@minicircuits.com

REV. D  
M108294  
ED-10269  
UNAT-5+  
UR/LC/CP  
150309  
Page 1 of 1