

Coaxial

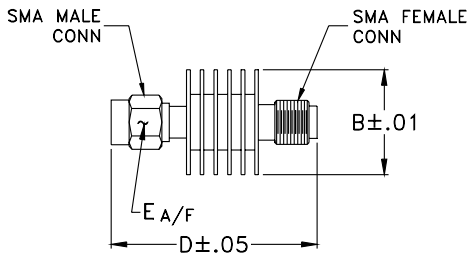
SMA Fixed Attenuator

50Ω 2W 4dB 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 |
|-------|-------|------|-------|
| .74 | 1.43 | .312 | grams |
| 18.80 | 36.32 | 7.92 | 11.4 |

Features

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

Applications

- impedance matching
- signal level adjustment

VAT-4W2+



CASE STYLE: DC1066

| Connectors | Model |
|------------|----------|
| SMA | VAT-4W2+ |

+RoHS Compliant

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

Electrical Specifications

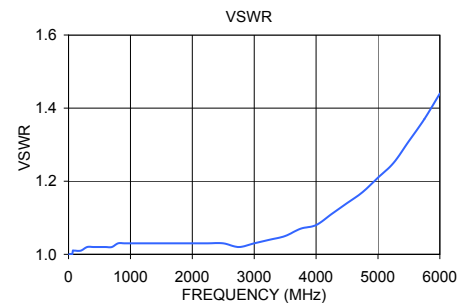
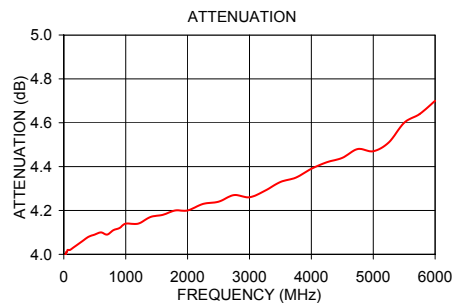
| FREQ. RANGE (MHz) | ATTENUATION * (dB) Flatness ** | | | | | VSWR (:1) | | | | | MAX. INPUT POWER (W) |
|-------------------------|--------------------------------------|---------|---------|----------|------|--------------|---------|---------|------|------|-------------------------------|
| | | | | | | | | | | | |
| | DC-3 GHz | 3-5 GHz | 5-6 GHz | DC-6 GHz | | DC-3 GHz | 3-5 GHz | 5-6 GHz | | | |
| f_L - f_U | Nom. | Typ. | Typ. | Typ. | Typ. | Typ. | Max. | Typ. | Max. | Typ. | |
| DC-6000 | 4±0.3 | 0.20 | 0.15 | 0.20 | 0.55 | 1.05 | 1.20 | 1.30 | 1.45 | 1.50 | 2.0 |

* 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) |
|-----------------|------------------|-----------|
| 10.00 | 3.99 | 1.00 |
| 100.00 | 4.02 | 1.01 |
| 1000.00 | 4.14 | 1.03 |
| 2000.00 | 4.20 | 1.03 |
| 3000.00 | 4.26 | 1.03 |
| 4000.00 | 4.39 | 1.08 |
| 5000.00 | 4.47 | 1.21 |
| 5500.00 | 4.60 | 1.31 |
| 5750.00 | 4.64 | 1.37 |
| 6000.00 | 4.70 | 1.44 |



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



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

REV. D
 M170832
 VAT-4W2+
 EDU-0334/4
 URJ/LC/CP/AM
 190412
 Page 1 of 1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Mini-Circuits:](#)

[VAT-4W2+](#)