

Coaxial SMA Fixed Attenuator

50Ω 2W 15dB DC to 6000 MHz

VAT-15W2+ VAT-15W2



CASE STYLE: DC1066

| Connectors | Model | Price | Qty. |
|------------|-------------|-------------|---------|
| SMA | VAT-15W2(+) | \$15.95 ea. | (1-9) |
| | | \$12.45 ea. | (10-49) |

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

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.

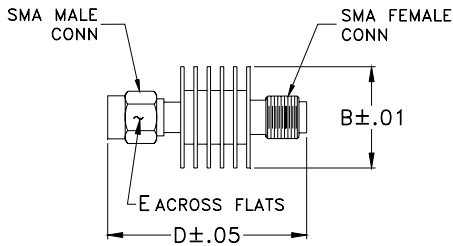
Features

- 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

Outline Drawing



Outline Dimensions (inch/mm)

| B | D | E | wt |
|-------|-------|------|-------|
| .74 | 1.43 | .312 | grams |
| 18.80 | 36.32 | 7.92 | 11.4 |

Electrical Specifications

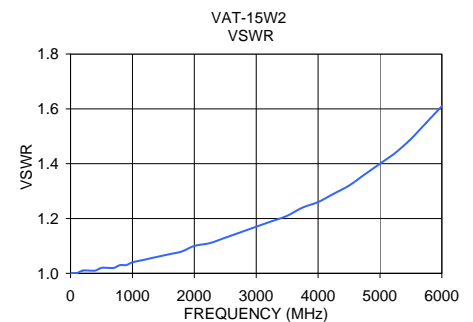
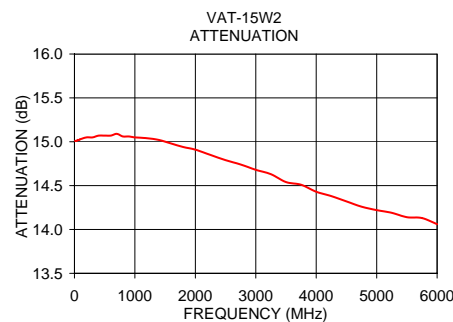
| FREQ. RANGE (MHz) | ATTENUATION * (dB) | | | | | VSWR (:1) | | | | | MAX. INPUT POWER (W) |
|-------------------|--------------------|---------|---------|----------|------|-----------|---------|---------|------|------|----------------------|
| | Flatness ** | | | | | | | | | | |
| | DC-3 GHz | 3-5 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 | 15±0.3 | 0.20 | 0.30 | 0.30 | 0.80 | 1.30 | 1.50 | 1.60 | 1.80 | 1.75 | 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 | 15.01 | 1.00 |
| 100.00 | 15.03 | 1.00 |
| 1000.00 | 15.05 | 1.04 |
| 2000.00 | 14.91 | 1.10 |
| 3000.00 | 14.68 | 1.17 |
| 4000.00 | 14.43 | 1.26 |
| 4500.00 | 14.32 | 1.32 |
| 5000.00 | 14.22 | 1.40 |
| 5500.00 | 14.14 | 1.49 |
| 6000.00 | 14.06 | 1.61 |



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ISO 9001 ISO 14001 AS 9100 CERTIFIED

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IF/RF MICROWAVE COMPONENTS

For detailed performance specs & shopping online see web site

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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