COAXIAL

Fixed Attenuator

VAT-6W2+

50Ω 2 W 6 dB DC to 6 GHz SMA Female

FEATURES

- Wideband coverage, DC to 6 GHz
- 2 Watt Rating
- Rugged Unibody Construction
- Off-The-Shelf Availability
- Very Low Cost

Generic photo used for illustration purposes only

Model No.	VAT-6W2+
Case Style	DC1066
Connectors	SMA Female

APPLICATIONS

- Impedance Matching
- Signal Level Adjustment

+RoHS Compliant
The +Suffix identifies RoHS Compliance.
See our website for methodologies and qualifications

ELECTRICAL SPECIFICATIONS AT +25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Unit
Frequency Range		DC		6	GHz
Attenuation, Nominal			6±0.3		dB
Attenuation[1], Flatness[2]	DC - 3 3 - 5 5 - 6 DC - 6		0.20 0.20 0.20 0.45		dB
VSWR	DC - 3 3 - 5 5 - 6		1.10 1.30 1.50	1.20 1.45	:1
Input Power				2.0	W

1. Attenuation varies by 0.3 dB max. over temperature.
2. Flatness = variation over band divided by 2.

ABSOLUTE MAXIMUM RATINGS

Parameter	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.

REV. E
ECO-024278
VAT-6W2+
MCL NY
250122

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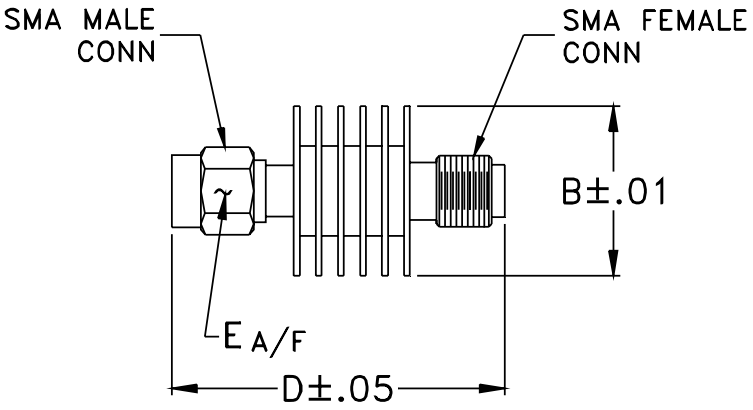
OUTLINE DRAWING



OUTLINE DIMENSIONS (Inch / mm)

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

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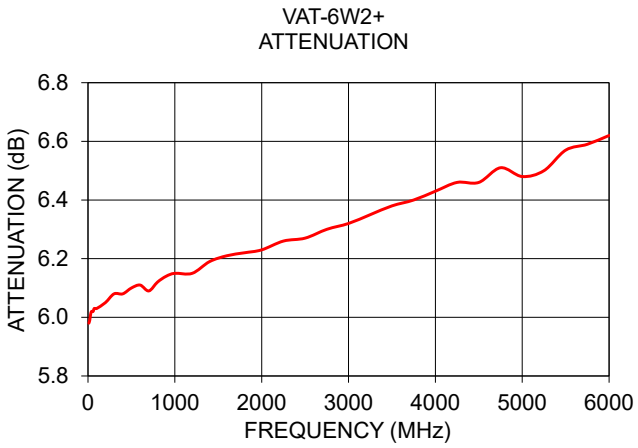
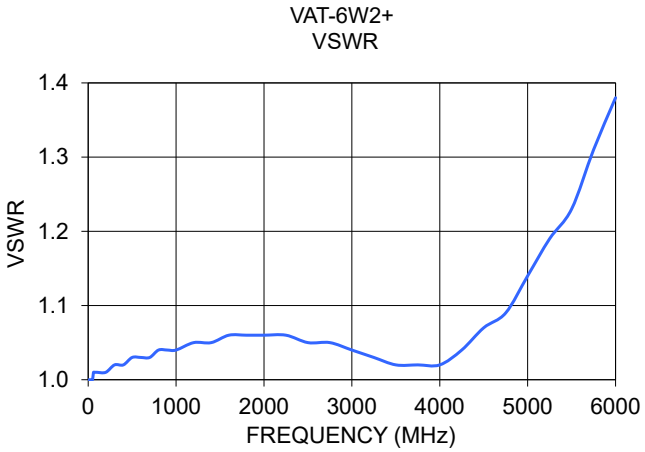
TYPICAL PERFORMANCE DATA AND CHARTS

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
10.00	5.98	1.00
100.00	6.03	1.01
1000.00	6.15	1.04
2000.00	6.23	1.06
3000.00	6.32	1.04
4000.00	6.43	1.02
4500.00	6.46	1.07
5000.00	6.48	1.14
5500.00	6.57	1.23
6000.00	6.62	1.38





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-Circuits' 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/terms/viewterm.html