

Coaxial SMA Fixed Attenuator

50Ω 2W 8dB DC to 6000 MHz

VAT-8W2+
VAT-8W2



Generic photo used for illustration purposes only

CASE STYLE: DC1066

Connectors	Model
SMA	VAT-8W2(+)

+RoHS Compliant

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.

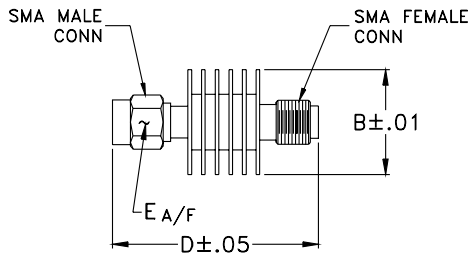
Features

- 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

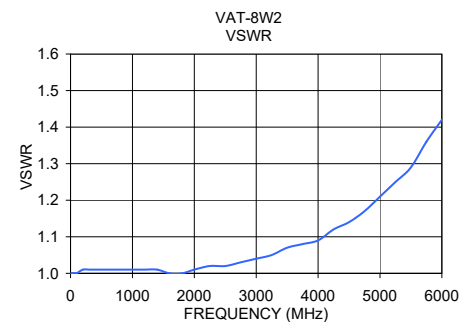
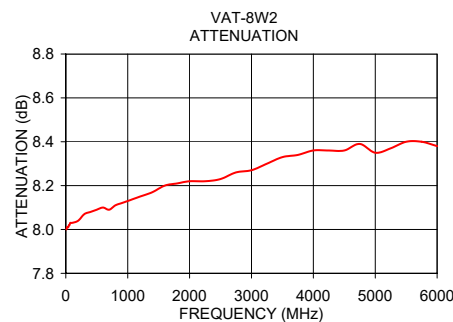
FREQ. RANGE (MHz)	ATTENUATION * (dB)					VSWR (:1)					MAX. INPUT POWER (W)
	Flatness **					DC-3 GHz		3-5 GHz		5-6 GHz	
	DC-3 GHz	3-5 GHz	5-6 GHz	DC-6 GHz		DC-3 GHz	3-5 GHz	3-5 GHz	5-6 GHz		
f_L - f_U	Nom.	Typ.	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	Max.	Typ.	
DC-6000	8±0.3	0.15	0.10	0.15	0.25	1.10	1.25	1.25	1.40	1.60	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	8.00	1.00
100.00	8.03	1.00
1000.00	8.13	1.01
2000.00	8.22	1.01
3000.00	8.27	1.04
4500.00	8.36	1.14
4000.00	8.36	1.09
5000.00	8.35	1.21
5500.00	8.40	1.29
6000.00	8.38	1.42



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.
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