

# Coaxial SMA Fixed Attenuator

50Ω 2W 12dB DC to 6000 MHz

## VAT-12W2+ VAT-12W2



CASE STYLE: DC1066

Connectors	Model
SMA	VAT-12W2(+)

**+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.

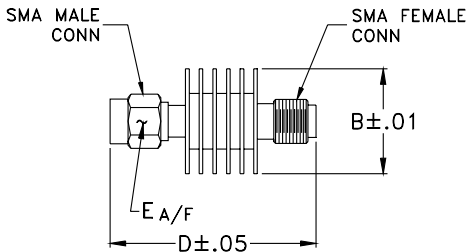
### Features

- 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

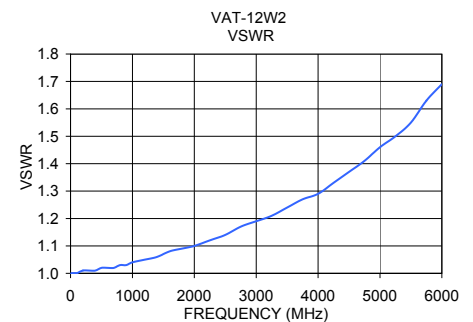
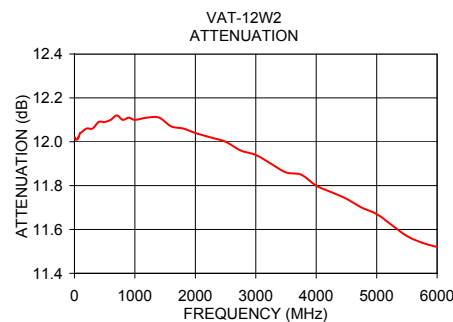
FREQ. RANGE (MHz)	ATTENUATION * (dB)					VSWR (:1)					MAX. INPUT POWER (W)
	Flatness **										
	DC-3 GHz		3-5 GHz	5-6 GHz	DC-6 GHz	DC-3 GHz		3-5 GHz		5-6 GHz	
$f_L-f_U$	Nom.	Typ.	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	Max.	Typ.	
DC-6000	12±0.3	0.10	0.15	0.10	0.30	1.20	1.40	1.50	1.80	1.70	2.0

\* 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	12.02	1.00
100.00	12.04	1.00
1000.00	12.10	1.04
2000.00	12.04	1.10
3000.00	11.94	1.19
4000.00	11.80	1.29
4500.00	11.74	1.37
5000.00	11.67	1.46
5500.00	11.57	1.55
6000.00	11.52	1.69



### Notes

- 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.
- 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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