

Coaxial

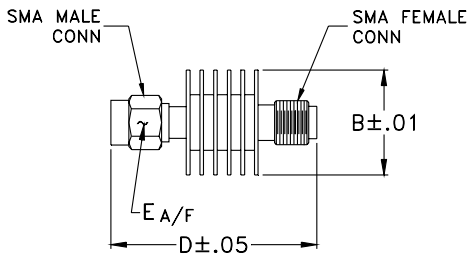
# SMA Fixed Attenuator

50Ω 2W 30dB 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-30W2+



CASE STYLE: DC1066

Connectors	Model	Price	Qty.
SMA	VAT-30W2+	\$16.95 ea.	(1-9)
		\$13.45 ea.	(10-49)

## +RoHS Compliant

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

## Electrical Specifications

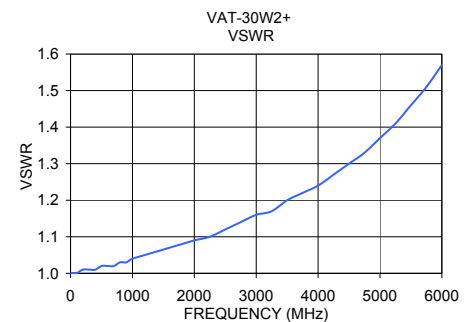
FREQ. RANGE (MHz)	ATTENUATION * (dB) Flatness **					VSWR (:1)					MAX. INPUT POWER (W)
	DC-3 GHz		3-5 GHz	5-6 GHz	DC-6 GHz	DC-3 GHz		3-5 GHz	5-6 GHz		
	Nom.	Typ.	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	Max.	Typ.	
$f_L$ - $f_U$											
DC-6000	30±0.3	0.70	0.45	0.20	1.30	1.25	1.35	1.45	1.70	1.60	2.0

\* 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	30.04	1.00
100.00	30.04	1.00
1000.00	29.72	1.04
2000.00	29.22	1.09
3000.00	28.80	1.16
4000.00	28.46	1.24
4500.00	28.22	1.30
5000.00	27.98	1.37
5500.00	27.87	1.46
6000.00	27.69	1.57



## 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](http://www.minicircuits.com/MCLStore/terms.jsp)



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

REV. B  
 M113397  
 VAT-30W2  
 ED-8244A/7  
 UR/JLC/CP/AM  
 130920  
 Page 1 of 1