Coaxial

SMA Fixed Attenuator

VAT-20W2+

50Ω 2W 20dB DC to 6000 MHz



Generic photo used for illustration purposes only

CASE STYLE: DC1066

Connectors	Model
SMA	VAT-20W2+

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

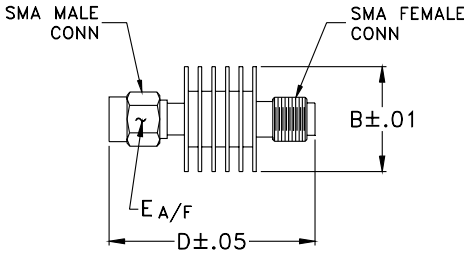
Applications

- impedance matching
- signal level adjustment

+RoHS Compliant

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

Outline Drawing



Outline Dimensions (inch / mm)

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

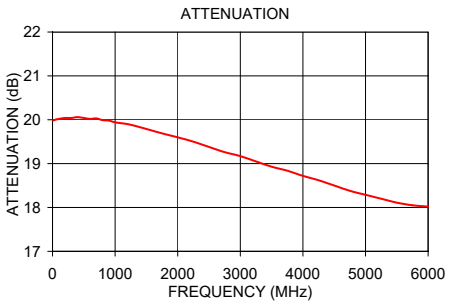
Electrical Specifications

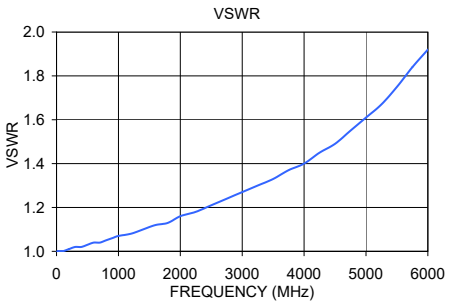
FREQ. RANGE (MHz)	ATTENUATION * (dB) Flatness **					VSWR (:1)					MAX. INPUT POWER (W)
		DC-3 GHz	3-5 GHz	5-6 GHz	DC-6 GHz	DC-3 GHz		3-5 GHz		5-6 GHz	
f_L-f_U	Nom.	Typ.	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	Max.	Typ.	
DC-6000	20±0.3	0.50	0.45	0.20	1.05	1.35	1.55	1.70	1.95	1.95	2.0

* 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	19.99	1.00
100.00	20.02	1.00
1000.00	19.94	1.07
2000.00	19.60	1.16
3000.00	19.17	1.27
4000.00	18.72	1.40
4500.00	18.50	1.49
5000.00	18.29	1.61
5500.00	18.11	1.75
6000.00	18.02	1.92





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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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