Coaxial

SMA Fixed Attenuator

VAT-30W2+

50Ω 2W 30dB DC to 6000 MHz



Generic photo used for illustration purposes only

CASE STYLE: DC1066

Connectors	Model
SMA	VAT-30W2+

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

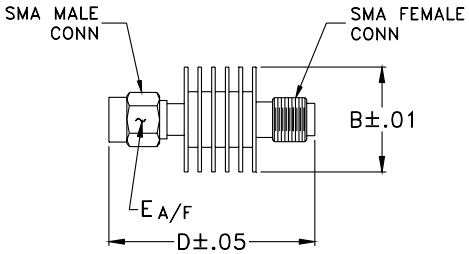
Applications

- 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

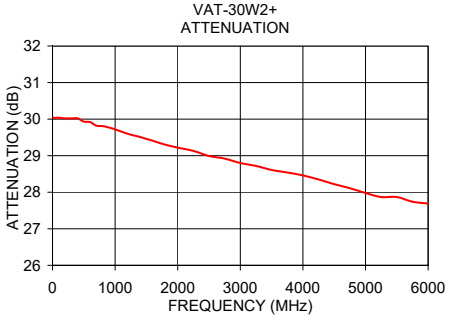
Electrical Specifications

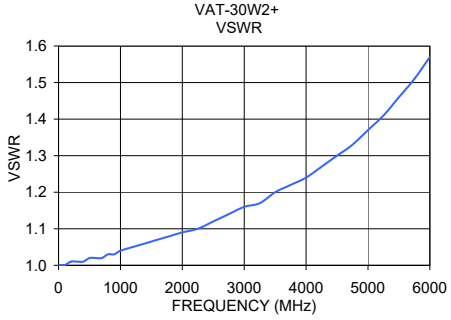
FREQ. RANGE (MHz)	ATTENUATION * (dB) Flatness **					VSWR (:1)					MAX. INPUT POWER (W)
		DC-3 GHz	3-5 GHz	5-6 GHz	DC-6 GHz	DC-3 GHz		3-5 GHz		5-6 GHz	
f_L-f_U	Nom.	Typ.	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	Max.	Typ.	
DC-6000	30±0.3	0.70	0.45	0.20	1.30	1.25	1.35	1.45	1.70	1.60	2.0

* 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





勝特力電材超市-龍山店 886-3-5773766
勝特力電材超市-光復店 886-3-5729570
胜特力电子(上海) 86-21-34970699
胜特力电子(深圳) 86-755-83298787
http://www.100y.com.tw

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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