Coaxial

SMA Fixed Attenuator

50Ω 2W 7dB DC to 6000 MHz

VAT-7W2+
VAT-7W2



CASE STYLE: DC1066

Connectors	Model
SMA	VAT-7W2(+)

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

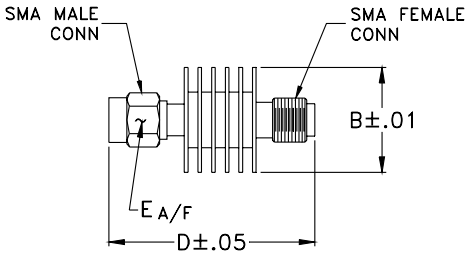
Applications

- 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

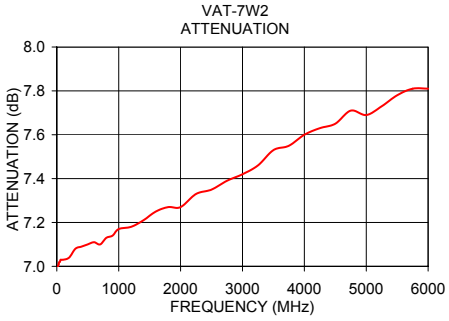
Electrical Specifications

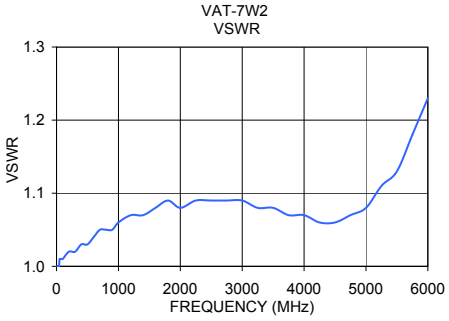
FREQ. RANGE (MHz)	ATTENUATION * (dB) Flatness **					VSWR (:1)					MAX. INPUT POWER (W)
		DC-3 GHz	3-5 GHz	5-6 GHz	DC-6 GHz	DC-3 GHz		3-5 GHz		5-6 GHz	
f_L-f_U	Nom.	Typ.	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	Max.	Typ.	
DC-6000	7±0.3	0.25	0.15	0.10	0.45	1.10	1.20	1.25	1.40	1.40	2.0

* 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	6.99	1.00
100.00	7.03	1.01
1000.00	7.17	1.06
1200.00	7.18	1.07
2000.00	7.27	1.08
3000.00	7.42	1.09
4000.00	7.60	1.07
5000.00	7.69	1.08
5500.00	7.78	1.13
6000.00	7.81	1.23





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