Coaxial

SMA Fixed Attenuator

VAT-3+

50Ω 1W 3dB DC to 6000 MHz

Generic photo used for illustration purposes only

CASE STYLE: FF704

Connectors	Model
SMA	VAT-3+

+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.

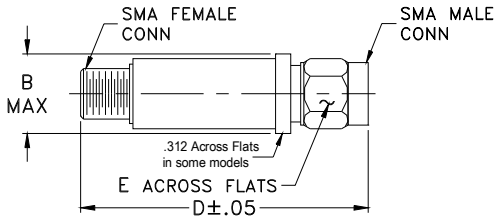
Features

- wideband coverage, DC to 6000 MHz
- 1 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
.410	1.43	.312	grams
10.41	36.32	7.92	10.0

Electrical Specifications

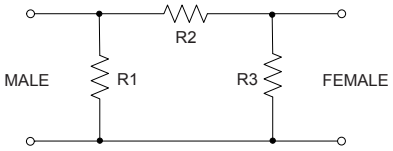
FREQ. RANGE (MHz)	ATTENUATION * (dB) Flatness **					VSWR (:1)					MAX. INPUT POWER (W)
		DC-3 GHz	3-5 GHz	5-6 GHz	DC-6 GHz	DC-3 GHz		3-5 GHz		5-6 GHz	
f_L-f_U	Nom.	Typ.	Typ.	Typ.	Typ.	Typ.	Max.	Typ.	Max.	Typ.	
DC-6000	3±0.3	0.20	0.15	0.15	0.45	1.05	1.20	1.15	1.40	1.40	1.0

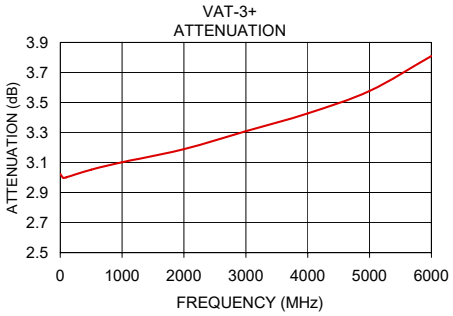
* Attenuation varies by 0.3 dB max. over temperature.
** Flatness= variation over band divided by 2.

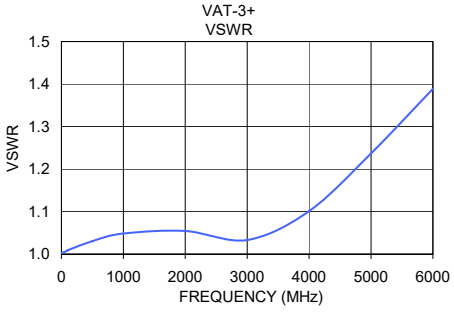
Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
0.03	3.02	1.00
50.00	3.00	1.00
100.00	3.00	1.01
500.00	3.05	1.03
1000.00	3.10	1.05
2000.00	3.19	1.05
3000.00	3.31	1.03
4000.00	3.43	1.10
5000.00	3.58	1.24
6000.00	3.81	1.39

Electrical Schematic







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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