SMA Fixed Attenuator

DC to 6000 MHz 20dB 50Ω 0.5W

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
- rugged unibody construction
- · off-the-shelf availability
- very low cost

Applications

- impedance matching
- signal level adjustment

VAT-20+

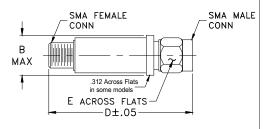


CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VAT-20+	\$13.95 ea.	(1-9)

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

Outline Drawing



Outline Dimensions (inch)

wt	Е	D	В
grams	.312	1.43	.410
10.0	7.92	36.32	10.41

Electrical Specifications

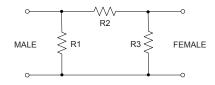
FREQ. RANGE (MHz)		ATTENUATION * (dB) Flatness **				MAX. INPUT POWER			
		DC-3 GHz	3-5 GHz	5-6 GHz	DC-6 GHz	DC-3 GHz	3-5 GHz	5-6 GHz	(W)
f _L f _U	Nom.	Тур.	Тур.	Тур.	Тур.	Тур. Мах.	Тур. Мах.	Тур.	
DC-6000	20±0.3	0.45	0.55	0.35	0.85	1.05 1.20	1.20 1.50	1.30	0.5

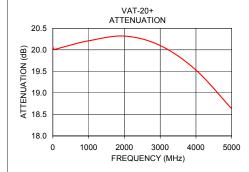
^{*} Attenuation varies by 0.3 dB max. over temperature.

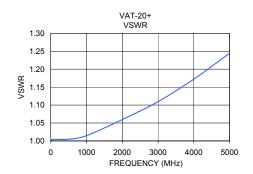
Typical Performance Data

Frequency (MHz)	Attenuation (dB)	VSWR (:1)
0.03	20.08	1.01
20.00	20.03	1.00
50.00	20.01	1.00
100.00	20.02	1.00
500.00	20.11	1.00
1000.00	20.21	1.01
2000.00	20.32	1.06
3000.00	20.10	1.11
4000.00	19.53	1.17
5000.00	18.63	1.24

Electrical Schematic







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 ins.

C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively: "Standard Terms"): Purchases of this part. Ferrormance and updany authorities and contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions. The parts covered by this specification document are subject to Mini-Circuit's 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

^{**} Flatness= variation over band divided by 2.