# **SMA Fixed Attenuator**

5dB

 $50\Omega$ **1W** 

**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

DC to 6000 MHz

· very low cost

### **Applications**

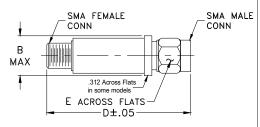
- impedance matching
- · signal level adjustment

#### CASE STYLE: FF704

Connectors	Model	Price	Qty.
SMA	VAT-5+	\$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	E	D	В
grams	.312	1.43	.410
10.0	7.92	36.32	10.41

## **Electrical Specifications**

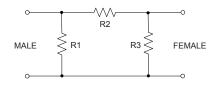
FREQ. RANGE (MHz)		ATTENUATION * (dB) Flatness **			VSWR (:1)			MAX. INPUT POWER	
		DC-3 GHz	3-5 GHz	5-6 GHz	DC-6 GHz	DC-3 GHz	3-5 GHz	5-6 GHz	(W)
f <sub>L</sub> f <sub>U</sub>	Nom.	Тур.	Тур.	Тур.	Тур.	Тур. Мах.	Тур. Мах.	Тур.	
DC-6000	5±0.3	0.10	0.10	0.10	0.25	1.05 1.20	1.15 1.45	1.40	1.0

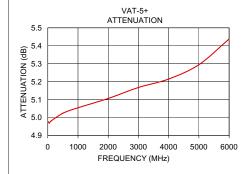
Attenuation varies by 0.3 dB max. over temperature.

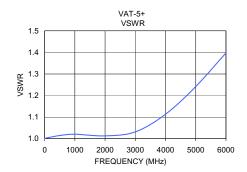
# **Typical Performance Data**

F	requency (MHz)	Attenuation (dB)	VSWR (:1)
	0.03	4.98	1.00
	50.00	4.97	1.00
	100.00	4.98	1.00
	500.00	5.03	1.01
	1000.00	5.06	1.02
	2000.00	5.11	1.01
	3000.00	5.17	1.03
	4000.00	5.22	1.11
	5000.00	5.30	1.24
	6000.00	5.44	1.40

#### **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

<sup>\*\*</sup> Flatness= variation over band divided by 2.