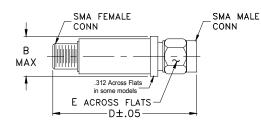
# Coaxial **SMA Fixed Attenuator**

#### 50Ω **1W** 10dB

#### **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.						

#### **Outline Drawing**



### Outline Dimensions (inch )

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

# DC to 6000 MHz

#### 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





CASE STYLE: FF704

Connectors Model SMA VAT-10+

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

### **Electrical Specifications**

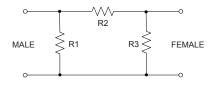
					-				
FREQ. RANGE (MHz)	ATTENUATION * (dB) Flatness **				VSWR (:1)			MAX. INPUT POWER	
		DC-3 GHz	3-5 GHz	5-6 GHz	DC-6 GHz	DC-3 GHz	3-5 GHz	5-6 GHz	(W)
f <sub>L</sub> -f <sub>U</sub>	Nom.	Тур.	Тур.	Тур.	Тур.	Тур. Мах.	Тур. Мах.	Тур.	
DC-6000	10±0.3	0.10	0.20	0.15	0.35	1.05 1.25	1.20 1.60	1.90	1.0

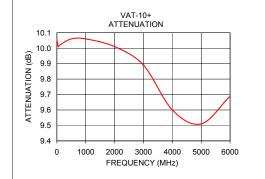
\* Attenuation varies by 0.3 dB max. over temperature.

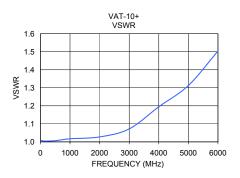
\*\* Flatness= variation over band divided by 2.

#### **Typical Performance Data** Attenuation VSWR Frequency (MHz) (dB) (:1) 0.03 10.06 1.00 50.00 10.01 1.01 100.00 10.02 1.00 500.00 10.06 1.01 1000.00 10.06 1.02 2000.00 1.03 10.01 3000.00 1.07 9.89 4000.00 9.60 1.19 5000.00 9 51 1.31 6000.00 9.69 1.50

#### **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-Circuit's standard limited warrantv and terms and conditions (collectively: "Standard Terms"): Purchasers of this performance

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