

### FMAT7434-20 DATA SHEET

# 0 to 20 dB Variable Attenuator SMA Female to SMA Female from 8 GHz to 12.4 GHz Rated to 5 Watts

FMAT7434-20 from Fairview Microwave is a continuously variable attenuator that has 20 dB of total attenuation with rotary dial design for continuous attenuation level adjustment across a frequency range from 8 to 12.4GHz. With SMA female connectors, this RF variable attenuator design is tried and true technology that offers exceptional RF performance characteristics that include 0.75 dB maximum insertion loss and a maximum VSWR of 1.6:1. Continuously variable attenuators are part of the comprehensive RF attenuator product offerings from Fairview Microwave which are available in stock and ready for same-day shipment.



- Design: Continuously Variable Attenuator
- Body Material and Plating: Aluminum

#### **Electrical Specifications\***

Description	Min	Т	ур	Max	Units
Frequency Range	8			12.4	GHz
Impedance		ļ	50		Ohms
Attenuation Value		0 t	to 20		dB
Insertion Loss				0.75	dB
Input Power (CW)				5	Watts
Peak Power				3	kWatts
VSWR				1.6:1	

<sup>\*</sup> Values at 25°C, sea level

## Mechanical Specifications Temperature

Operating Range -40 to +85 deg C

Size

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 Length
 3.07 in [77.98 mm]

 Width
 1.99 in [50.55 mm]

 Height
 0.5 in [12.7 mm]

 Weight
 0.19 lbs [86.18 g]

#### Connectors

Description	Connector 1	Connector 2	
Туре	SMA Female	SMA Female	
Contact Material & Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Body Material & Plating	Brass, Nickel	Brass, Nickel	



#### Features:

- 20dB Attenuation Level
- Rotary Dial Design for Continuous Adjustment
- Frequency Range from 8GHz to 12.4GHz
- SMA Female Connectorized Design
- Max VSWR 1.6:1
- Max Power Rating: 5W (CW)

#### **Applications:**

- Instrumentation
- · Precision Measurements
- Prototyping and Characterization
- Production Systems

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com

sales@fairviewmicrowave.com





**Compliance Certifications** (see product page for current document)

#### **Plotted and Other Data**

Notes:

Values at 25 °C, sea level

0 to 20 dB Variable Attenuator SMA Female to SMA Female from 8 GHz to 12.4 GHz Rated to 5 Watts from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: 0 to 20 dB Variable Attenuator SMA Female to SMA Female from 8 GHz to 12.4 GHz Rated to 5 Watts FMAT7434-20

URL: https://www.fairviewmicrowave.com/20db-continuously-variable-attenuator-sma-female-sma-female-5-watts-fmat7434-20-p.aspx

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301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689





