

0 to 40 dB Variable Attenuator, SMA Female to SMA Female from 4 GHz to 12.4 GHz Rated to 5 Watts



**FMAT7535-40**

**Features**

- 40 dB Attenuation Level
- Rotary Dial Design for Continuous Adjustment
- Frequency Range 4 GHz to 12.5 GHz Range
- SMA Female Connectorized Design
- Max VSWR 1.5:1
- Max Power Rating: 5W (CW)

**Applications**

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

**Description**

Fairview Microwave FMAT7535-40 is a continuously variable attenuator that has 40 dB of total attenuation with rotary dial design for continuous attenuation level adjustment across a frequency range of 4 GHz to 12.4 GHz. With SMA female gender for connector 1 and a SMA female for connector 2. This microwave variable attenuator design is tried and true technology that offers exceptional RF performance characteristics that include 0.5 dB maximum insertion loss and a maximum VSWR of 1.5:1. Our continuously variable attenuator is rated to 5 Watt at the stated attenuation.

**Configuration**

Design: Continuously Variable Attenuator  
Body Material and Plating: Aluminum

**Electrical Specifications** Values at 25°C, sea level

Description	Minimum	Typical	Maximum	Units
Frequency Range	7		12.4	GHz
Impedance		50		Ohms
Attenuation Value		0 to 40		dB
Step Type		Dial		
Input Power (CW)			5	Watts
Peak Power			3	kWatts
Insertion Loss			0.5	dB
VSWR			1.5:1	

**Mechanical Specifications**

**Temperature**

**Size**

Length: 2 in [50.8 mm]  
Width: 1.25 in [31.75 mm]  
Height: 0.5 in [12.7 mm]  
Weight: 0.02 lbs [9.07 g]

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**Connectors**

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

- Values at 25 °C, sea level

0 to 40 dB Variable Attenuator, SMA Female to SMA Female from 4 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 40 dB Variable Attenuator, SMA Female to SMA Female from 4 GHz to 12.4 GHz Rated to 5 Watts FMAT7535-40](#)

URL: <https://www.fairviewmicrowave.com/30db-continuously-variable-attenuator-sma-female-sma-female-5-watts-fmat7535-40-p.aspx>

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