

0 to 20 dB Variable Attenuator, SMA Female to SMA Female from 1 GHz to 2 GHz Rated to 5 Watts



FMAT7530-20

Features

- 20 dB Attenuation Level
- Rotary Dial Design for Continuous Adjustment
- Frequency Range 1 GHz to 2 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 FMAT7530-20 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 of 1 GHz to 2 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 0.5dB 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	1		2	GHz
Impedance		50		Ohms
Attenuation Value		0 to 20		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: 2.5 in [63.5 mm]
Width: 2 in [50.8 mm]
Height: 0.56 in [14.22 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 20 dB Variable Attenuator, SMA Female to SMA Female from 1 GHz to 2 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 1 GHz to 2 GHz Rated to 5 Watts FMAT7530-20](#)

URL: <https://www.fairviewmicrowave.com/20db-continuously-variable-attenuator-sma-female-sma-female-5-watts-fmat7530-20-p.aspx>

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FMAT7530-20 CAD Drawing

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