+1 (866) 839-4711 | sales@fairviewmicrowave.com | fairviewmicrowave.com

0 to 91 dB Step Attenuator 75 Ohm BNC Female To 75 Ohm BNC Female With 1 dB Step Rated To 2 Watts Up To 2.5 GHz in a Push Button design

FMAT1046

Features

- 1, 2, 4, 8, 16, 20, 20, and 20 dB step buttons
- 0 to 91 dB Attenuation
- 7.5 Attenuation Accuracy Maximum

Applications

Instrumentation

• Precision Measurements

Description

The FMAT1046 is a Step Attenuator that has 91 dB of total attenuation with 1, 2, 4, 8, 16, 20, 20, and 20 dB push button steps, designed across the frequency range of DC to 2.5 GHz. Select button for desired attenuation level, total attenuation is the sum of all buttons selected. The design is tried and true technology that offers exceptional performance characteristics that include 3 dB maximum insertion loss, and a maximum VSWR of 1.4:1. The design also features excellent attenuation accuracy with 7.5 dB maximum. The Nickel plated Brass package has BNC Female connectors, and operates within the temperature range of -20°C to 85°C.

Electrical Specifications

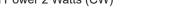
Minimum	Typical	Maximum	Units
DC		2.5	GHz
	75		Ohms
		3	dB
	0 to 91		dB
	1		dB
Push Button			
	±0.5dB (1,2,4,8 dB),		
	±1dB (16dB), ±1.5dB		
	(20dB)		
		2	Watts
		100	Watts
		1.4:1	
		DC 75 0 to 91 1 Push Button ±0.5dB (1,2,4,8 dB), ±1dB (16dB), ±1.5dB	DC 2.5 75 3 0 to 91 1 1 Push Button ±0.5dB (1,2,4,8 dB), ±1dB (16dB), ±1.5dB (20dB) 2 100 100

Electrical Specification Notes: Attenuation accuracy is by button

Mechanical Specifications

Size	
Length	6.142 in [156.01 mm]
Width	0.787 in [19.99 mm]
Height	1.398 in [35.51 mm]
Weight	0.19 lbs [86.18 g]
Body Material and Plating	Aluminum, Paint

- BNC Female ConnectorsMaximum Power 2 Watts (CW)
- Maximum Power 2 Watts (CW)



- Prototyping and Characterization
- Production Systems

The Right Parts, Right Away

and a state of the state of the



0 to 91 dB Step Attenuator 75 Ohm BNC Female To 75 Ohm BNC Female With 1 dB Step Rated To 2 Watts Up To 2.5 GHz in a Push Button design

FMAT1046

Connectors

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

Environmental Specifications

Temperature Operating Range

-20 to 85 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

0 to 91 dB Step Attenuator 75 Ohm BNC Female To 75 Ohm BNC Female With 1 dB Step Rated To 2 Watts Up To 2.5 GHz in a Push Button design 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 91 dB Step Attenuator 75 Ohm BNC Female To 75 Ohm BNC Female To 75 Ohm BNC Female With 1 dB Step Rated To 2 Watts Up To 2.5 GHz in a Push Button design FMAT1046

URL: https://www.fairviewmicrowave.com/91db-step-attenuator-1db-bnc-female-dc-2.5-ghz-2-watts-fmat1046-p.aspx

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.



FMAT1046 CAD Drawing

0 to 91 dB Step Attenuator 75 Ohm BNC Female To 75 Ohm BNC Female With 1 dB Step Rated To 2 Watts Up To 2.5 GHz in a Push Button design

