20 dB Fixed Attenuator 75 Ohm BNC Male (Plug) to 75 Ohm BNC Female (Jack) Up to 4 GHz Rated to 2 Watts, Brass Tri-Metal Body, 1.35 VSWR

FMAT7438-20

Features

- DC to 4 GHz Frequency Range
- Attenuation 20 dB Typical
- Max Power 2 Watts (CW)

Applications

- Wireless
- Video Signal Transmission
- Radar Systems

Description

VSWR < 1.35:1

- 75 Ohm Impedance
- · Test and Measurement
- · Commercial and Military Communication
- Avionics

Fairview Microwave carries a broad selection of fixed attenuators with a wide range of attenuation levels, frequency ranges, and power dissipation ranges. Also known as RF pads, RF microwave attenuators lower the amplitude of a signal (or attenuate) a known amount. These attenuator pads can be used in a wide variety of applications including reducing a signal level to protect measurement equipment or other circuitry, extending the range of power meters and amplifiers, and impedance matching circuits by reducing the VSWR seen by adjacent components. RF attenuators can prevent signal overload in amplifiers, receivers and detectors, adjusting the signal level to a range that is optimal.

Few RF components are as commonly used as fixed coaxial attenuators, and Fairview Microwave carries one of the largest in-stock varieties and ships them same day. The FMAT7438-20 is a 20 dB Fixed Attenuator that operates from DC to 4 GHz and is rated to 2 Watts. The versatile coaxial package uses BNC male to BNC female connectors.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
Impedance		75		Ohms
Nominal Attenuation		20		dB
Attenuation Accuracy		1		dB
VSWR			1.35:1	
Input Power, CW			2	Watts

Mechanical Specifications

Size	
Length	2.087 in [53.01 mm]
Width/Diameter	0.571 in [14.5 mm]
Height	0.571 in [14.5 mm]
Weight	0.05 lbs [22.68 g]
Body Material and Plating	Brass, Tri-Metal
Configuration	
Design	Fixed



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Connectors

Description	Connector 1	Connector 2	
Туре	BNC Male	BNC Female	
Contact Material and Plating	Phosphor Bronze, Gold	Phosphor Bronze, Gold	
Coupling Nut Material and Plating	Stainless Steel		
Body Material and Plating	Brass, Tri-Metal	Brass, Tri-Metal	

Environmental Specifications

Temperature Operating Range

-55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Performance Data

20 dB Fixed Attenuator 75 Ohm BNC Male (Plug) to 75 Ohm BNC Female (Jack) Up to 4 GHz Rated to 2 Watts, Brass Tri-Metal Body, 1.35 VSWR 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: 20 dB Fixed Attenuator 75 Ohm BNC Male (Plug) to 75 Ohm BNC Female (Jack) Up to 4 GHz Rated to 2 Watts, Brass Tri-Metal Body, 1.35 VSWR FMAT7438-20

URL: https://www.fairviewmicrowave.com/20db-fixed-attenuator-bnc-male-bnc-female-2-watts-fmat7438-20-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.

FMAT7438-20 CAD Drawing

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