

10 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



FMAT7438-10

Features

- DC to 4 GHz Frequency Range
- Attenuation 10 dB Typical
- Max Power 2 Watts (CW)
- VSWR < 1.35:1
- 75 Ohm Impedance

Applications

- Wireless
- Video Signal Transmission
- Radar Systems
- Test and Measurement
- Commercial and Military Communication
- Avionics

Description

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 FMAT7438-10 is a 10 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 | | 10 | | dB |
| Attenuation Accuracy | | 0.5 | | 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 |
|-----------------------------------|-----------------------|-----------------------|
| Type | 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

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For additional information on this product, please click the following link: [10 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 FMAT7438-10](#)

URL: <https://www.fairviewmicrowave.com/10db-fixed-attenuator-bnc-male-bnc-female-2-watts-fmat7438-10-p.aspx>

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Up to 4 GHz Rated to 2 Watts, Brass Tri-Metal Body, 1.35 VSWR

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