

10 dB Fixed Attenuator 3.5mm Male (Plug) to 3.5mm Female (Jack) up to 26.5 GHz Rated to 2 Watts, Aluminum Body, 1.45:1 VSWR



FMAT7471-10

Features

- · DC to 26.5 GHz Range
- Attenuation 10 + 1.0 dB
- 2 Watts Average Input Power

Applications

- · Precision Measurements
- · Production Systems

- VSWR <1.45:1
- · Functional up to 33 GHz
- Instrumentation
- · Prototyping and Characterization

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 (attenuate) a known amount. These attenuators 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 FMAT7471-10 is a 10 dB Fixed Attenuators that operates from DC to 26.5 GHz and is rated to 2 Watts. The versatile coaxial package uses 3.5mm male to 3.5mm female connectors.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		26.5	GHz
Impedance		50		Ohms
Nominal Attenuation		10		dB
VSWR			1.45:1	
Input Power, CW			2	Watts
Derated linearly to 0.5W @ 125°C				
Input Power, Peak			500	Watts
5µs pulse, 0.4% duty cycle				

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 26.5					GHz
Attenuation Accuracy, Typ	1					dB

Mechanical Specifications

Size

Length Width/Diameter Weight Body Material and Plating 1.437 in [36.5 mm] 0.394 in [10.01 mm] 0.01764 lbs [8 g] Aluminum



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Configuration	
Design	Fixed

Connectors

Description	Connector 1	Connector 2
Туре	3.5mm Male	3.5mm Female
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Body Material and Plating	Stainless Steel	Stainless Steel

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

10 dB Fixed Attenuator 3.5mm Male (Plug) to 3.5mm Female (Jack) up to 26.5 GHz Rated to 2 Watts, Aluminum Body, 1.45:1 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: 10 dB Fixed Attenuator 3.5mm Male (Plug) to 3.5mm Female (Jack) up to 26.5 GHz Rated to 2 Watts, Aluminum Body, 1.45:1 VSWR FMAT7471-10

URL: https://www.fairviewmicrowave.com/10db-fixed-attenuator-3.5mm-male-3.5mm-female-2-watts-fmat7471-10-p. aspx

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FMAT7471-10 CAD Drawing

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