15 dB Fixed Attenuator SMA Male (Plug) to SMA Female (Jack) DC to 12 GHz Rated to 2 Watts, Stainless Steel Body, 1.35:1 VSWR

# FMAT7466-15

### Features

- DC to 12 GHz Frequency Range
- SMA Connectorized Design
- Attenuation 15 dB ±1 dB

#### **Applications**

## Instrumentation

- Precision Measurements
- · Prototyping and Characterization

### Description

• Max Power 2 Watts (CW)

- Max VSWR of 1.35:1
- · Production Systems
- WIFI 6E
- 5G Cellular bands

Fairview Microwave carries a wide range of fixed attenuators with a broad selection of attenuation levels, frequency ranges, and power dissipation ranges. RF microwave attenuators (also known as RF pads) lower the amplitude of a signal (attenuate) a known amount and can be used in a wide variety of applications. These attenuator pads are used when a signal needs to be reduced to protect measurement equipment or other circuitry, to extend the range of power meters and amplifiers, and to impedance match 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 15 dB Fixed Attenuator FMAT7466-15 is rated to and operates from DC to 12 GHz. The versatile coaxial package uses SMA female to SMA male connectors.

## **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12	GHz
Impedance		50		Ohms
Nominal Attenuation		15		dB
VSWR			1.35:1	
Input Power, CW			2	Watts

### **Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2	2 to 5	5 to 10	10 to 12		GHz
VSWR, Max	1.15:1	1.25:1	1.35:1	1.35:1		
Attenuation Accuracy, Typ	0.2	0.3	0.5	1		dB

### **Mechanical Specifications**

Size Length Width/Diameter Height Weight Body Material and Plating

0.969 in [24.61 mm] 0.315 in [8 mm] 0.315 in [8 mm] 0.02 lbs [9.07 g] Passivated Stainless Steel



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Configuration		
Design	Fixed, Bi-Directional	
Package Style	Conectorized	

#### Connectors

Description	Connector 1	Connector 2	
Туре	SMA Female	SMA Male	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Dielectric Type	Teflon	Teflon	
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel	

### **Environmental Specifications**

Temperature

Compliance Certifications (see product page for current document)

### **Plotted and Other Data**

Notes:

#### **Typical Performance Data**

15 dB Fixed Attenuator SMA Male (Plug) to SMA Female (Jack) DC to 12 GHz Rated to 2 Watts, Stainless Steel Body, 1.35:1 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.

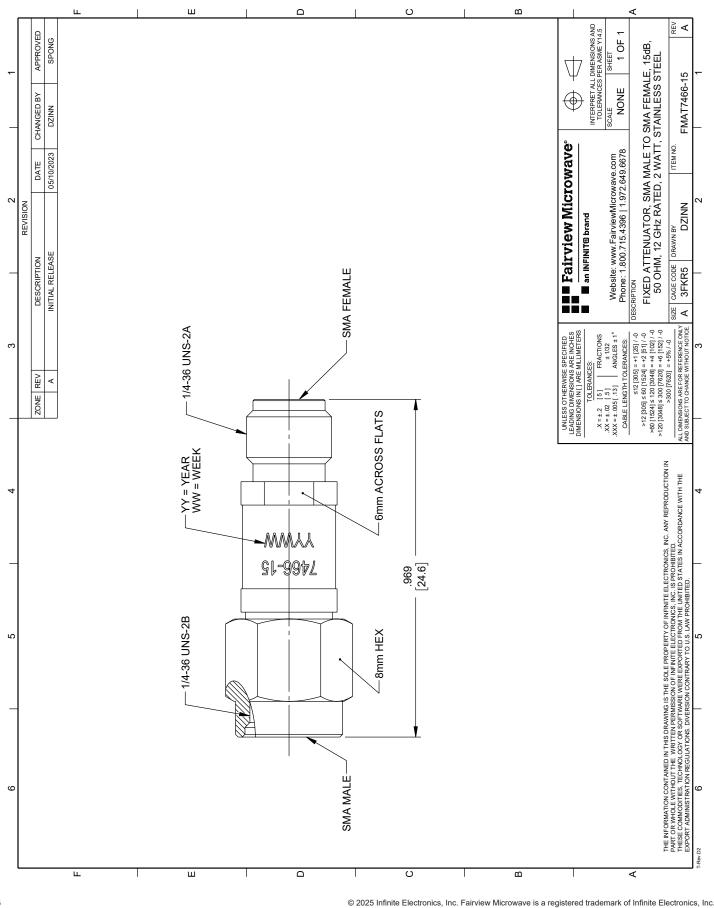
For additional information on this product, please click the following link: 15 dB Fixed Attenuator SMA Male (Plug) to SMA Female (Jack) DC to 12 GHz Rated to 2 Watts, Stainless Steel Body, 1.35:1 VSWR FMAT7466-15

URL: https://www.fairviewmicrowave.com/15db-fixed-attenuator-sma-female-sma-male-2-watts-fmat7466-15-p.aspx

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FMAT7466-15 CAD Drawing

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