# The Right Parts, Right Away

1 dB Fixed Attenuator 2.92mm Male (Plug) to 2.92mm Female (Jack) Up to 40 GHz Rated to 2 Watts, Passivated Stainless Steel Body, 1.35 VSWR

### FMAT7430-1

### Features

- Bidirectional
- DC to 40 GHz Frequency Range
- Attenuation 1dB Typical

### Applications

### Instrumentation

Precision measurements

### 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 FMAT7430-1 is a 1 dB Fixed Attenuator that operates from DC to 40 GHz and is rated to 2 Watts. The versatile coaxial package uses 2.92mm male to 2.92mm female connectors.

### **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
Impedance		50		Ohms
Nominal Attenuation		1		dB
Attenuation Accuracy			±1	dB
VSWR			1.35:1	
Input Power, CW			2	Watts
Input Power, Peak			200	Watts
5 μs pulse, 1% Duty Cycle				

### **Mechanical Specifications**

Size	
Length	1.14 in [28.96 mm]
Width/Diameter	0.315 in [8 mm]
Height	0.315 in [8 mm]
Weight	0.15 lbs [68.04 g]
Body Material and Plating	Passivated Stainless Steel
Configuration	
Design	Fixed, Bidirectional

- Prototyping and characterization
- Production systems

VSWR < 1.35:1</li>

Max Power 2 Watts (CW)





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### FMAT7430-1

#### Connectors

Description	Connector 1	Connector 2	
Туре	2.92mm Male	2.92mm Female	
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold	
Coupling Nut Material and Plating	Stainless Steel		
Body Material and Plating	Passivated Stainless Steel	Passivated 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**

1 dB Fixed Attenuator 2.92mm Male (Plug) to 2.92mm Female (Jack) Up to 40 GHz Rated to 2 Watts, Passivated Stainless Steel 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.

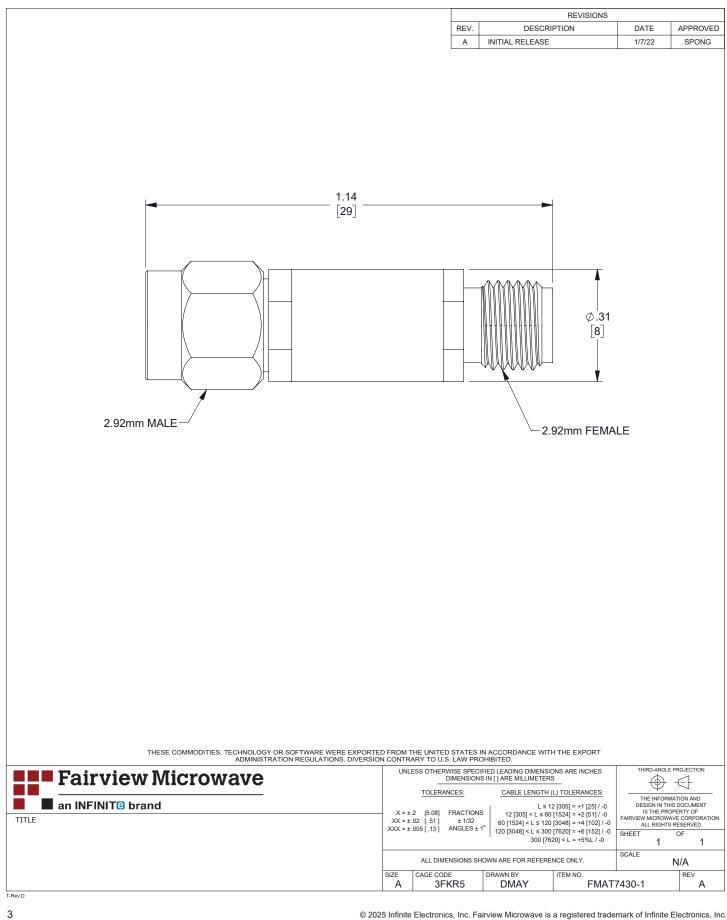
For additional information on this product, please click the following link: 1 dB Fixed Attenuator 2.92mm Male (Plug) to 2.92mm Female (Jack) Up to 40 GHz Rated to 2 Watts, Passivated Stainless Steel Body, 1.35 VSWR FMAT7430-1

## URL: https://www.fairviewmicrowave.com/1db-fixed-attenuator-2.92mm-male-2.92mm-female-2-watts-fmat7430-1-p. aspx

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### FMAT7430-1 CAD Drawing

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