

**6dB RF fixed attenuator 2W, DC to 6GHz, SMA male to female, Stainless Steel**

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 FMAT7602-6 is a 6 dB Fixed Attenuators that operates from DC to 6 GHz and is rated to 2 Watts. The versatile coaxial package uses SMA male to SMA female connectors and is also REACH and RoHS compliant.



**Features:**

- Bidirectional
- DC to 6 GHz Range
- Attenuation 6 +/- 0.5 dB
- 2 Watts Average Input Power
- VSWR <1.15:1

**Applications:**

- Precision Measurements
- Production Systems
- Instrumentation
- Prototyping and Characterization

**Electrical Specifications**

Description	Min	Typ	Max	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
Nominal Attenuation		6		dB
VSWR			1.15:1	
Input Power, CW			2	Watts
Input Power, Peak 5µs pulse w/ 0.4% duty cycle			500	Watts

**Mechanical Specifications**

<b>Size</b>	
Length	0.858266 in [21.8 mm]
Width/Diameter	0.31496 in [8 mm]
Height	0.31496 in [8 mm]
Weight	0.21 lbs [95.25 g]
Body Material and Plating	Stainless Steel

<b>Configuration</b>	
Design	Fixed, Bidirectional

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male	SMA Female
Contact Material & Plating	Brass, Gold	Beryllium Copper, Gold
Body Material & Plating	Stainless Steel	Stainless Steel

**Environmental Specifications**

<b>Temperature</b>	
Operating Range	+125 to -55 deg C

Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

6dB RF fixed attenuator 2W, DC to 6GHz, SMA male to female, Stainless Steel 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: [6dB RF fixed attenuator 2W, DC to 6GHz, SMA male to female, Stainless Steel FMAT7602-6](#)

URL:

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