

FMAT7602-10 DATA SHEET

10dB 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 FMAT7602-10 is a 10 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.

Electrical Specifications

Description	Min	Тур	Max	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
Nominal Attenuation		10		dB
VSWR			1.15:1	
Input Power, CW			2	Watts
Input Power, Peak			500	Watts

Features:

- Bidirectional
- DC to 6 GHz Range
- Attenuation 10 +/- 0.5 dB
- 2 Watts Average Input Power
- VSWR < 1.15:1

Applications:

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

Mechanical Specifications

5µs pulse w/ 0.4% duty cycle

Size

Length 0.858266 in [21.8 mm]
Width/Diameter 0.31496 in [8 mm]
Height 0.31496 in [8 mm]
Weight 0.215 lbs [97.52 g]
Body Material and Plating Stainless Steel

Configuration

Design Fixed, Bidirectional

Connectors

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

Environmental Specifications Temperature

Operating Range +125 to -55 deg C

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Compliance Certifications (see product page for current document)

Plotted	and	Other	Data
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Notes:

10dB 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.

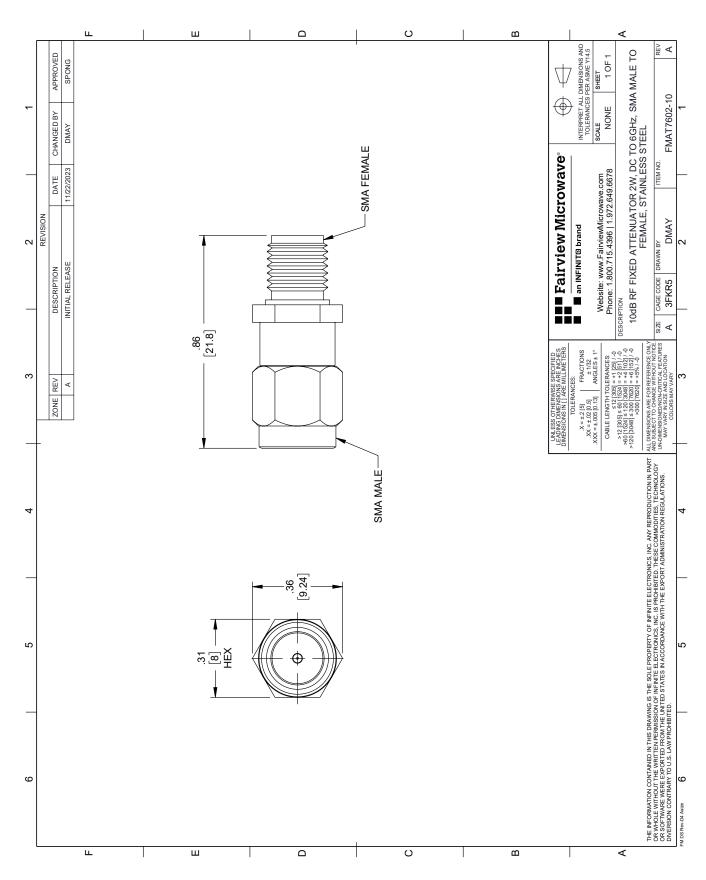
For additional information on this product, please click the following link: 10dB RF fixed attenuator 2W, DC to 6GHz, SMA male to female, Stainless Steel FMAT7602-10

URL:			
des to ir stat suit	cribed herein. It may be necessar mplement improvements. Fairview ed, all specifications are nominal.	y to make modifications to the part a Microwave reserves the right to mak Fairview Microwave does not make In for any particular purpose, and Fair	ur knowledge and representative of the part and/or the documentation of the part, in order e such changes as required. Unless otherwise any representation or warranty regarding the view Microwave does not assume any liability

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