

0 to 69dB Rotary Step Attenuator, N-type to N-type Female With 1 dB Step Rated to 2 Watts Up to 18GHz

The FMAT7446N-69 is a Step Attenuator that has 69 dB of total attenuation with 1 dB step size and rotary dial design across a frequency range from DC to 18 GHz. The design is tried and true technology that offers exceptional performance characteristics that include 1.5 dB maximum insertion loss, and a maximum VSWR of 1.75:1 at 18 GHz. The design also features excellent attenuation accuracy with \pm 1.5 dB typical at 18 GHz. The Aluminum package has N Female connectors, and operates within the temperature range of 0°C to 54°C.

Electrical Specifications

Min	Тур)	Мах	Units
DC			18	GHz
	50			Ohms
			1.5	dB
	0 to	69		dB
	1			dB
	Rota	ry		
			2	Watts
			200	Watts
DutyCycle				
			1.75:1	
	DC	DC 50	DC 50 50 0 to 69 1 Rotary	DC 18 50 50 1.5 0 to 69 1.5 0 to 69 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 18					GHz
Atten. Accuracy	± 1.5					dB

Mechanical Specifications

Size	
Length	6.417 in [162.99 mm]
Width	4.173 in [105.99 mm]
Height	3.268 in [83.01 mm]
Weight	2.29 lbs [1.04 kg]

Connectors

Connector 1	Connector 2	
N Female	N Female	
Beryllium Copper, Gold		
Brass, Nickel	Aluminum	
	N Female Beryllium Copper, Gold	

Environmental Specifications

Temperature Operating Range

0 to 54 deg C

FMAT7446N-69 DATA SHEET



Features:

- 1 dB steps from 0 to
 69 dB Attenuation
- Rotary Dial Control
- N Female Connectors
- 0°C to +54°C Operating Temperature
- ±1.5 dB Typical Attenuation Accuracy

Applications:

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

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Compliance Certifications (see product page for current document)

Plotted and Other Data

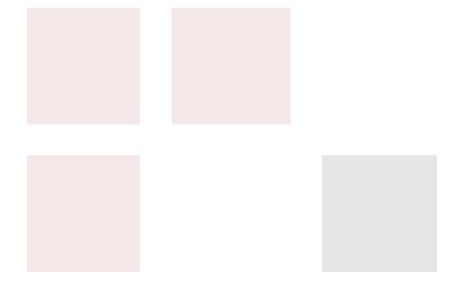
Notes:

0 to 69dB Rotary Step Attenuator, N-type to N-type Female With 1 dB Step Rated to 2 Watts Up to 18GHz 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: 0 to 69dB Rotary Step Attenuator, N-type to N-type Female With 1 dB Step Rated to 2 Watts Up to 18GHz FMAT7446N-69

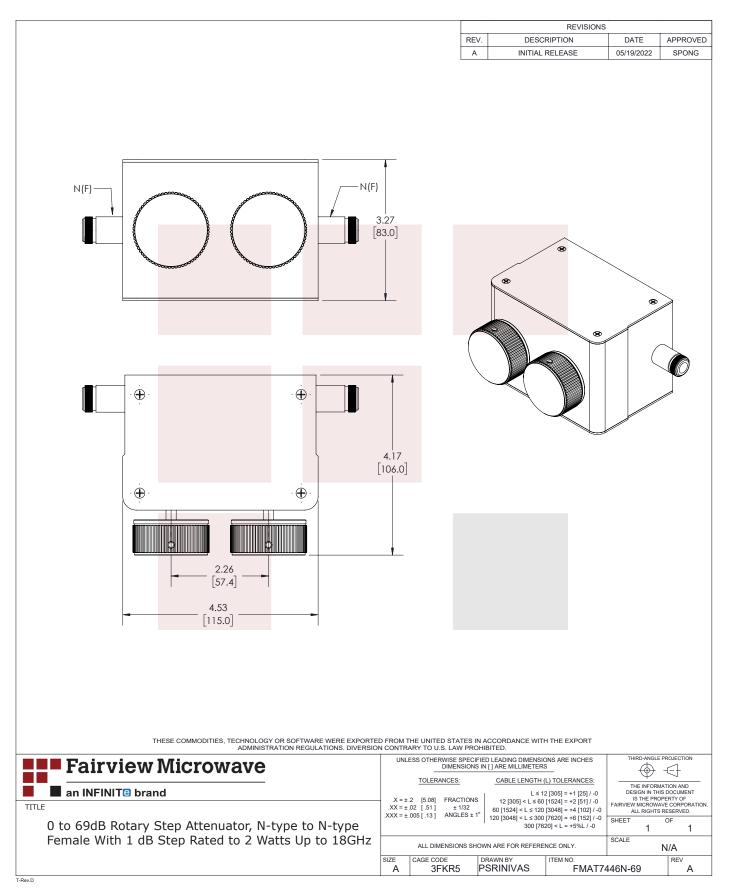
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