

## 0 to 60 dB Rotary Step Attenuator, SMA Female to SMA Female With 10 dB Step Rated to 2 Watts Up to 6 GHz



### PE7439-60

#### Features

- 10 dB steps from 0 to 60 dB Attenuation
- Rotary Dial Control
- SMA Female Connectors
- -20°C to +85°C Operating Temperature
- ±0.5 dB Typical Attenuation Accuracy

#### Applications

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

#### Description

The PE7439-60 is a Step Attenuator that has 60 dB of total attenuation with 10 dB step size and rotary dial design across a frequency range from DC to 6 GHz. The design is tried and true technology that offers exceptional performance characteristics that include 1 dB maximum insertion loss, and a maximum VSWR of 1.4:1 at 6 GHz. The design also features excellent attenuation accuracy with ±0.5 dB typical at 6 GHz. The Brass package has SMA Female connectors, and operates within the temperature range of -20°C to 85°C.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
Impedance		50		Ohms
Insertion Loss			1	dB
Attenuation Value		0 to 60		dB
Step Size		10		dB
Step Type		Rotary		
Input Power (CW)			2	Watts
Input Power, Peak			100	Watts
5µs Pulse Width, 2% DutyCycle				
VSWR			1.4:1	

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 6					GHz
Attenuation Accuracy	0.5					dB

#### Electrical Specification Notes:

Attenuation Accuracy specification is ±3% dB typ for any attenuation above 40dB.

#### Mechanical Specifications

##### Size

Length	2.44 in [61.98 mm]
Width	1.181 in [30 mm]
Height	1.622 in [41.2 mm]
Weight	0.05 lbs [22.68 g]

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**Connectors**

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female
Contact Material and Plating	Beryllium Copper, Gold	
Body Material and Plating	Brass, Nickel	Brass, Nickel

**Environmental Specifications**

**Temperature**

Operating Range

-20 to 85 deg C

**Compliance Certifications** (see product page for current document)

**Plotted and Other Data**

Notes:

0 to 60 dB Rotary Step Attenuator, SMA Female to SMA Female With 10 dB Step Rated to 2 Watts Up to 6 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0 to 60 dB Rotary Step Attenuator, SMA Female to SMA Female With 10 dB Step Rated to 2 Watts Up to 6 GHz PE7439-60](#)

URL: <https://www.pasternack.com/60db-step-sma-female-sma-female-2-watts-attenuator-pe7439-60-p.aspx>

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# PE7439-60 CAD Drawing

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