

0 to 70 dB Rotary Step Attenuator, SMA Female to SMA Female With 1 dB Step Rated to 2 Watts Up to 6 GHz



PE7440-70

Features

- 1 dB steps from 0 to 70 dB Attenuation
- · Rotary Dial Control
- · SMA Female Connectors

Applications

- Instrumentation
- · Precision Measurements

- -20°C to +85°C Operating Temperature
- ±1.5 dB Typical Attenuation Accuracy
- Prototyping and Characterization
- Production Systems

Description

The PE7440-70 is a Step Attenuator that has 70 dB of total attenuation with 1 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 1.8 dB maximum insertion loss, and a maximum VSWR of 1.55:1 at 6 GHz. The design also features excellent attenuation accuracy with ±1.5 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			1.8	dB
Attenuation Value		0 to 70		dB
Step Size		1		dB
Step Type		Rotary		
Input Power (CW)			2	Watts
Input Power, Peak			100	Watts
5µs Pulse Width,2% DutyCycle				
VSWR			1.55:1	

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 6					GHz
Attenuation Accuracy	1.5					dB

Electrical Specification Notes:

Attenuation Accuracy specification is ±3.5% dB typ for any attenuation above 50dB.

Mechanical Specifications

Size

 Length
 4.724 in [119.99 mm]

 Width
 1.181 in [30 mm]

 Height
 2.098 in [53.29 mm]

 Weight
 0.05 lbs [22.68 g]



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Connectors

Description	Connector 1	Connector 2	
Туре	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 70 dB Rotary Step Attenuator, SMA Female to SMA Female With 1 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 70 dB Rotary Step Attenuator, SMA Female to SMA Female With 1 dB Step Rated to 2 Watts Up to 6 GHz PE7440-70

URL: https://www.pasternack.com/70db-step-sma-female-sma-female-2-watts-attenuator-pe7440-70-p.aspx

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