

0 to 70 dB Rotary Step Attenuator, SMA Female to SMA Female With 10 dB Step Rated to 2 Watts Up to 2.2 GHz

RF Step Attenuators Technical Data Sheet

Features

- 10 dB steps from 0 to 70 dB Attenuation
- Rotary Dial Control
- ±0.5 dB or 3% Attenuation Accuracy

Applications

- Instrumentation
- Precision Measurements
- Prototyping and Characterization

SMA Female Connectors

-20°C to +80°C Operating Temperature

Production Systems

Description

The PE70A1023 is a Step Attenuator that has 70 dB of total attenuation with 10 dB step size and rotary dial design across a frequency range from DC to 2.2 GHz. The design is tried and true technology that offers exceptional performance characteristics that include 0.5 dB maximum insertion loss, and a maximum VSWR of 1.4:1 at 2.2 GHz. The design also features excellent attenuation accuracy with ±0.4 dB typical at 2.2 GHz. The Chem film Aluminum alloy package has SMA Female connectors, and operates within the temperature range of -20°C to 80°C.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units					
Frequency Range	DC		2.2	GHz					
Impedance		50		Ohms					
Insertion Loss			0.5	dB					
Attenuation Value		0 to 70		dB					
Step Size		10		dB					
Step Type		Rotary							
Accuracy Statement	±0.5 dB or 3% (Whichever is greater)								
Input Power			2	Watts					
Input Power, Peak			1	KWatts					

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Range	DC to 1	1 to 2.2				GHz
Insertion Loss	0.3	0.5				dB
VSWR	1.2:1	1.4:1				

Electrical Specification Notes:

Specs by Frequency are maximum values

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 10 dB Step Rated to 2 Watts Up to 2.2 GHz PE70A1023

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (866) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

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PE70A1023



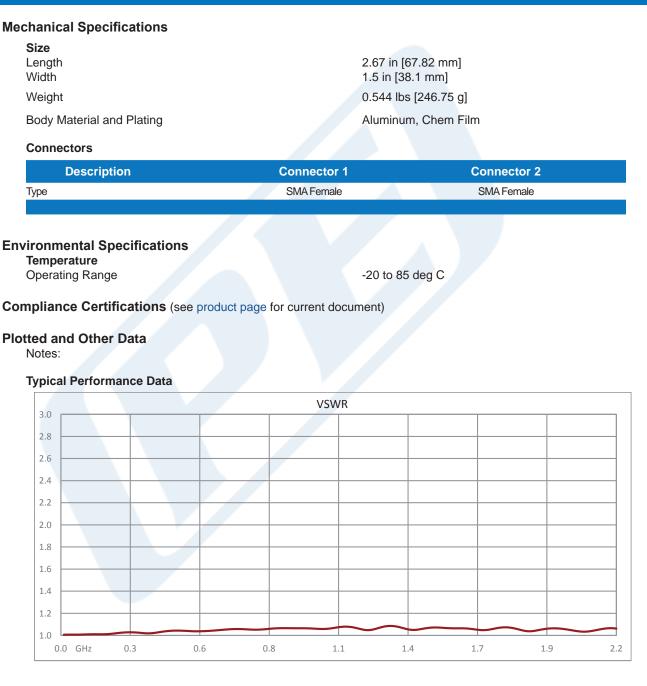


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dB Attenuation 0 -5 -10 -15 -20 -25 -30 -35 -40 -45 -50 -55 -60 -65 -70 -75 10 dB 20 dB 30 dB • 40 dB **5**0 dB • 70 dB • 60 dB -80 0.0 GHz 0.3 0.6 0.8 1.1 1.4 2.2 1.7 1.9

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URL: https://www.pasternack.com/70db-step-sma-female-sma-female-2-watts-attenuator-pe70a1023-p.aspx

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PE70A1023 CAD Drawing

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