

RF Step Attenuators Technical Data Sheet

Features

- 1 dB steps from 0 to 10 dB Attenuation
- Rotary Dial Control
- ±0.4 dB Maximum Attenuation Accuracy

Applications

- Instrumentation
- Precision Measurements
- Prototyping and Characterization

BNC Female Connectors

-20°C to +80°C Operating Temperature

Production Systems

Description

The PE70A1024 is a Step Attenuator that has 10 dB of total attenuation with 1 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 0.4 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 BNC 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 | | | 0.4 | dB |
| Attenuation Value | | 0 to 10 | | dB |
| Step Size | | 1 | | dB |
| Step Type | | Rotary | | |
| Input Power | | | 2 | Watts |
| Input Power, Peak | | | 1 | KWatts |
| 1 µsec Pulse Width | | | | |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 0 to 10 dB Rotary Step Attenuator, BNC Female to BNC Female With 1 dB Step Rated to 2 Watts Up to 2.2 GHz PE70A1024

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

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Specifications by Frequency

| F1 | F2 | F3 | F4 | F5 | Units |
|-------------------------|---|---|---|--|--|
| DC to 1 | 1 to 2.2 | | | | GHz |
| 0.2 | 0.4 | | | | dB |
| 1.2:1 | 1.4:1 | | | | |
| 0.2 | 0.4 | | | | dB |
| maximum val s | lues | 1.5 0.4 | 5 in [38.1 mn 52 lbs [205. | n] 02 g] | |
| | | | | | |
| Description | | onnector 1 | | Connector 2 | |
| | BNC | Female | | BNC Fema | ale |
| ions | | | | | |
| | DC to 1 0.2 1.2:1 0.2 otes: | DC to 1 1 to 2.2 0.2 0.4 1.2:1 1.4:1 0.2 0.4 | DC to 1 1 to 2.2 0.2 0.4 1.2:1 1.4:1 0.2 0.4 otes: maximum values s 2 ir 1.5 0.4 Alu Alu Dottes: Detes: maximum values S S 2 ir 1.5 0.4 Alu Alu Dottes: Detes: | DC to 1 1 to 2.2 0.2 0.4 1.2:1 1.4:1 0.2 0.4 otes: maximum values s 2 in [50.8 mm] 1.5 in [38.1 mn] 0.452 lbs [205. Aluminum, Che Aluminum, Che Example Example | DC to 1 1 to 2.2 0.2 0.4 1.2:1 1.4:1 0.2 0.4 otes: |

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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Typical Performance Data

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0 to 10 dB Rotary Step Attenuator, BNC Female to BNC Female With 1 dB Step Rated to 2 Watts Up to 2.2 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.

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URL: https://www.pasternack.com/10db-step-bnc-female-bnc-female-2-watts-attenuator-pe70a1024-p.aspx

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PE70A1024 CAD Drawing

0 to 10 dB Rotary Step Attenuator, BNC Female to BNC Female With 1 dB Step Rated to 2 Watts Up to 2.2 GHz

