

0 to 10 dB Variable Attenuator, SMA Female to SMA Female Rated to 5 Watts from 4 GHz to 8 GHz



PE7432-10

Features

- 10dB Attenuation Level
- Rotary Dial Design for Continuous Adjustment
- Frequency Range from 4GHz to 8GHz
- SMA Female Connectorized Design
- Max VSWR 1.5:1
- Max Power Rating: 5W (CW)

Applications

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

Description

Pasternack's PE7432-10 is a continuously variable attenuator that has 10 dB of total attenuation with rotary dial design for continuous attenuation level adjustment across a frequency range from 4 to 8GHz. With SMA female connectors, this RF variable attenuator design is tried and true technology that offers exceptional RF performance characteristics that include 0.5 dB maximum insertion loss and a maximum VSWR of 1.5:1. Continuously variable attenuators are part of Pasternack's comprehensive RF attenuator product offerings which are available in stock and ready for same-day shipment.

Configuration

Design	Continuously Variable Attenuator
Body Material and Plating	Aluminum

Electrical Specifications Values at 25°C, sea level

Description	Minimum	Typical	Maximum	Units
Frequency Range	4		8	GHz
Impedance		50		Ohms
Attenuation Value		0 to 10		dB
Input Power (CW)			5	Watts
Peak Power			3	kWatts
Insertion Loss			0.5	dB
VSWR			1.5:1	

Mechanical Specifications

Temperature	
Operating Range	-40 to +85 deg C
Size	
Length	3.07 in [77.98 mm]
Width	1.99 in [50.55 mm]
Height	0.5 in [12.7 mm]
Weight	0.19 lbs [86.18 g]

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Connectors

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

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at 25 °C, sea level

0 to 10 dB Variable Attenuator, SMA Female to SMA Female Rated to 5 Watts from 4 GHz to 8 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 10 dB Variable Attenuator, SMA Female to SMA Female Rated to 5 Watts from 4 GHz to 8 GHz PE7432-10](#)

URL: <https://www.pasternack.com/10db-continuously-variable-sma-female-sma-female-5-watts-attenuator-pe7432-10-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE7432-10 CAD Drawing

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REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	02/15/2022
		APPROVED SPONG

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 .X = ±.2 [5.08] FRACTIONS ±.132
 .XX = ±.02 [5.1] ANGLES ± 1°
 .XXX = ±.005 [13] CABLE LENGTH (L) TOLERANCES:
 L ≤ 12 [305] = ±1 [25] / 0
 12 [305] < L ≤ 60 [1524] = ±2 [51] / 0
 60 [1524] < L ≤ 120 [3048] = ±4 [102] / 0
 120 [3048] < L ≤ 300 [7620] = ±6 [152] / 0
 300 [7620] < L = +9.5% / 0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

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SCALE N/A

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REV A

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