

0 to 40 dB Variable Attenuator, N Female to N Female
Rated to 10 Watts from 2 GHz to 18 GHz

RF Variable Attenuators Datasheet

PE7436

Features

- 40dB Attenuation Level
- Rotary Dial Design for Continuous Adjustment
- Frequency Range from 2GHz to 18GHz
- N Female Connectorized Design
- Max VSWR 1.5:1
- Max Power Rating: 10W (CW)

Applications

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

Description

Pasternack's PE7436 is a continuously variable attenuator that has 40 dB of total attenuation with rotary dial design for continuous attenuation level adjustment across a frequency range from 2 to 18GHz. With N female connectors, this RF variable attenuator design is tried and true technology that offers exceptional RF performance characteristics that include 1.2 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	2		18	GHz
Impedance		50		Ohms
Attenuation Value		0 to 40		dB
Input Power (CW)			10	Watts
Insertion Loss			1.2	dB
VSWR			1.5:1	

Mechanical Specifications

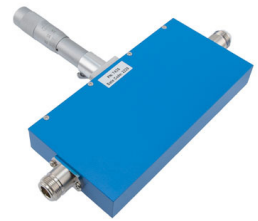
Temperature

Operating Range: -40 to +65 deg C

Size

Length: 6.69 in [169.93 mm]
Width: 7.32 in [185.93 mm]
Height: 0.83 in [21.08 mm]
Weight: 1.3 lbs [589.67 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [0 to 40 dB Variable Attenuator, N Female to N Female Rated to 10 Watts from 2 GHz to 18 GHz PE7436](#)



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Connectors

Description	Connector 1	Connector 2
Type	N Female	N 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 40 dB Variable Attenuator, N Female to N Female Rated to 10 Watts from 2 GHz to 18 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 40 dB Variable Attenuator, N Female to N Female Rated to 10 Watts from 2 GHz to 18 GHz PE7436](#)

URL: <https://www.pasternack.com/40db-continuously-variable-n-female-n-female-10-watts-attenuator-pe7436-p.aspx>

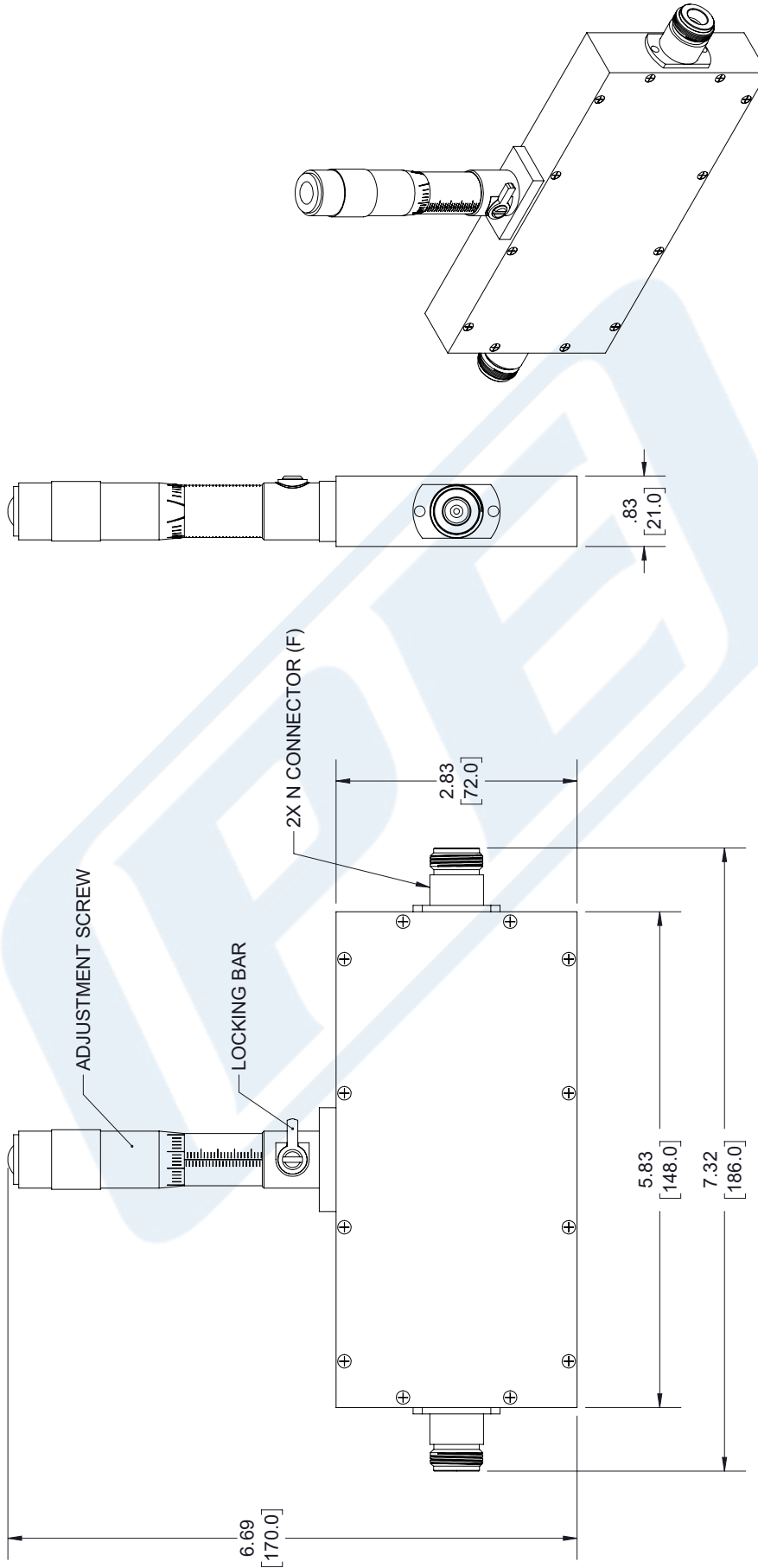
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such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

PE7436 CAD Drawing

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REVISIONS

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



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

TOLERANCES:
 .X = ±.2 [5.08] FRACTIONS
 .XX = ±.02 [.51] ± 1/32
 .XXX = ±.005 [.13] ANGLES ± 1°

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 = +5%L / -0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

PE PASTERNAK
an INFINITI brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
SCALE N/A

SIZE A CAGE CODE VTHANGARAJ DRAWN BY VTHANGARAJ ITEM NO. PE7436 REV A