

## WR-12 Waveguide Continuously Variable Attenuator, 0 to 30 dB, From 60 GHz to 90 GHz, UG-387/U Round Cover Flange, Dial



### PE-W12AT001-30

#### Features

- E-Band
- Rugged waveguide configuration
- Full band operation
- Up to 30 dB attenuation
- Low cost

#### Description

Pasternack's Continuously Variable Waveguide Attenuators are offered for the frequency range of 33 to 110 GHz in five waveguide bands. The attenuation value of the Continuously Variable attenuators are from 0 to 30 dB with full waveguide operational bandwidth. The Continuously Variable attenuators are equipped with a micrometer, which enables rapid re-setting. With calibrated charts, attenuators can be used as direct reading attenuator for bench top test set use. The level setting attenuators are typically used in the test setups and prototype assemblies where certain attenuation is required.

#### Configuration

Design	Continuously Variable Attenuator
Waveguide	WR-12
Flange	UG-387/U
Step Type	Dial
Body Material and Plating	Copper, Gold

#### Electrical Specifications Values at 25°C, sea level

Description	Minimum	Typical	Maximum	Units
Frequency Range	60		90	GHz
Impedance		50		Ohms
Typical Attenuation Value	0		30	dB
Insertion Loss		0.9		dB
Input Power (CW)			0.3	Watts

#### Mechanical Specifications

Description	Flange 1	Waveguide	Flange 2
Interface	UG-387/U	WR-12	UG-387/U
Material	Copper	Copper	Copper
Plating	Gold	Gold	Gold
Color	Gold	Gold	Gold

#### Size

Length	2.5 in [63.5 mm]
Width	0.75 in [19.05 mm]
Height	2.165 in [54.99 mm]
Weight	0.18 lbs [81.65 g]

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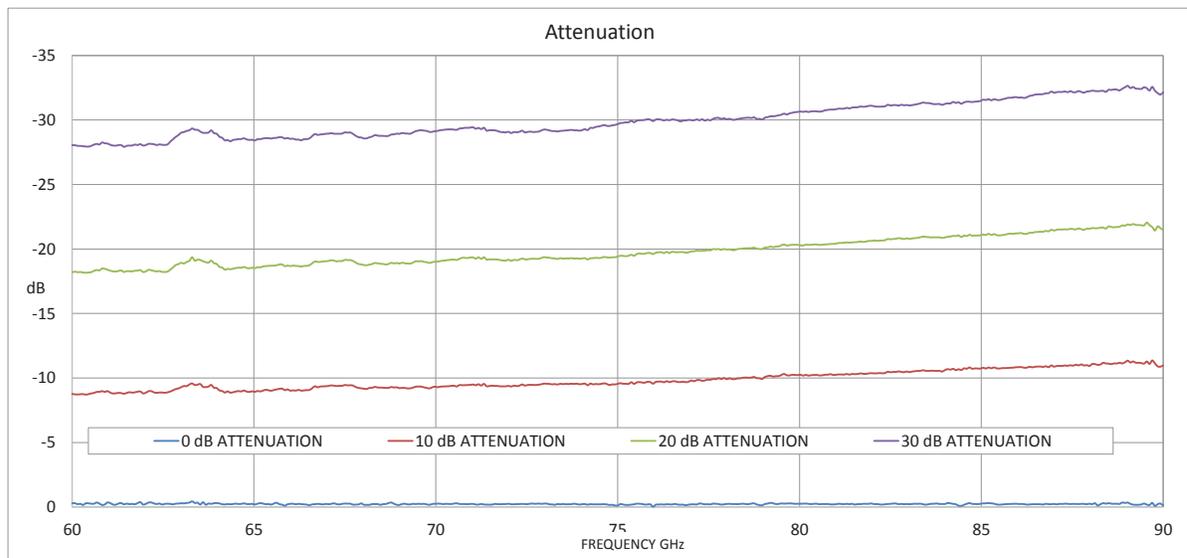
**PE-W12AT001-30**

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

**Plotted and Other Data**

Notes:

- Values at 25 °C, sea level



WR-12 Waveguide Continuously Variable Attenuator, 0 to 30 dB, From 60 GHz to 90 GHz, UG-387/U Round Cover Flange, Dial 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: [WR-12 Waveguide Continuously Variable Attenuator, 0 to 30 dB, From 60 GHz to 90 GHz, UG-387/U Round Cover Flange, Dial PE-W12AT001-30](#)

URL: <https://www.pasternack.com/30-db-waveguide-continuously-variable-attenuator-wr-12-90-ghz-pe-w12at001-30-p.aspx>

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# PE-W12AT001-30 CAD Drawing

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