

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



### PE-W12AT002-30

#### 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 | Aluminum, Black Anodized         |

#### 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            |         | 0.4     |         | dB    |
| Input Power (CW)          |         |         | 0.1     | Watts |
| VSWR                      |         |         | 1.15:1  |       |

#### Mechanical Specifications

| Description | Flange 1 | Waveguide      | Flange 2 |
|-------------|----------|----------------|----------|
| Interface   | UG-387/U | WR-12          | UG-387/U |
| Material    | Aluminum | Aluminum       | Aluminum |
| Plating     | Gold     | Black Anodized | Gold     |
| Color       | GLD      | GLD            | GLD      |

#### Size

|        |                   |
|--------|-------------------|
| Length | 0 in [0 mm]       |
| Width  | 0 in [0 mm]       |
| Height | 0 in [0 mm]       |
| Weight | 0.5 lbs [226.8 g] |

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**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-W12AT002-30](#)

URL: <https://www.pasternack.com/wr-12-waveguide-continuously-variable-attenuator-25-db-ug387-round-pe-w12at002-30-p.aspx>

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PE-W12AT002-30 CAD Drawing

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