

WR-19 Waveguide Continuously Variable Attenuator, 0 to 30 dB, From 40 GHz to 60 GHz, UG-383/U-Mod Round Cover Flange, Dial



PE-W19AT001-30

Features

- U-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-19
Flange	UG-383/U-Mod
Step Type	Dial
Body Material and Plating	Copper, Gold

Electrical Specifications Values at 25°C, sea level

Description	Minimum	Typical	Maximum	Units
Frequency Range	40		60	GHz
Impedance		50		Ohms
Typical Attenuation Value	0		30	dB
Insertion Loss		0.6		dB
Input Power (CW)			0.5	Watts

Mechanical Specifications

Description	Flange 1	Waveguide	Flange 2
Interface	UG-383/U-Mod	WR-19	UG-383/U-Mod
Material	Copper	Copper	Copper
Plating	Gold	Gold	Gold
Color	GLD	GLD	GLD

Size

Length	2.5 in [63.5 mm]
Width	1.125 in [28.58 mm]
Height	2.5625 in [65.09 mm]
Weight	0.223 lbs [101.15 g]

WR-19 Waveguide Continuously Variable Attenuator, 0 to 30 dB, From 40 GHz to 60 GHz, UG-383/U-Mod Round Cover Flange, Dial



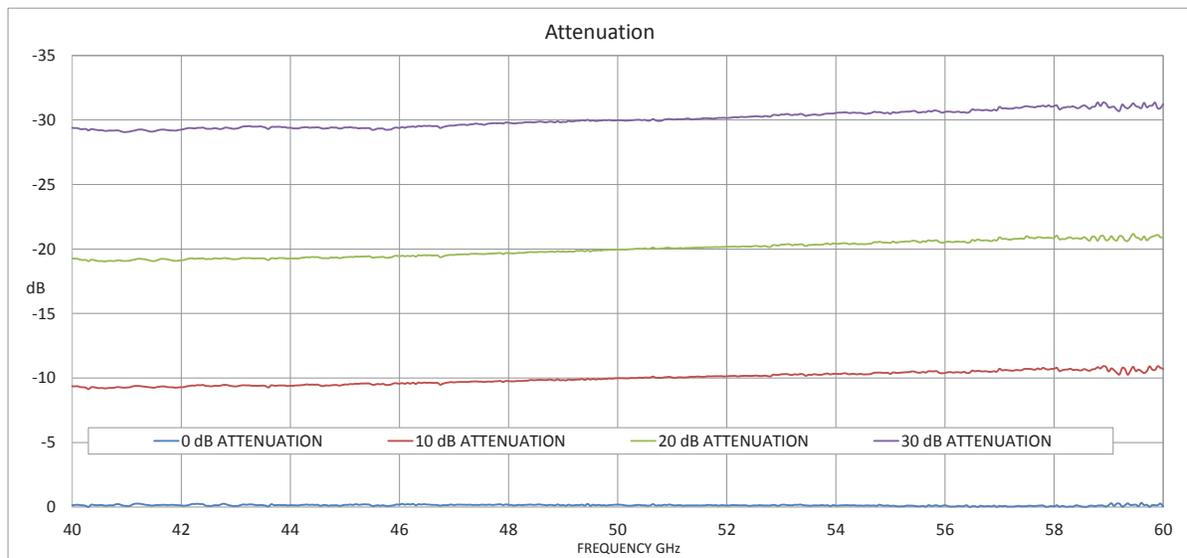
PE-W19AT001-30

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

Plotted and Other Data

Notes:

- Values at 25 °C, sea level



WR-19 Waveguide Continuously Variable Attenuator, 0 to 30 dB, From 40 GHz to 60 GHz, UG-383/U-Mod 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-19 Waveguide Continuously Variable Attenuator, 0 to 30 dB, From 40 GHz to 60 GHz, UG-383/U-Mod Round Cover Flange, Dial PE-W19AT001-30](#)

URL: <https://www.pasternack.com/30-db-waveguide-continuously-variable-attenuator-wr-19-60-ghz-pe-w19at001-30-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 impliment 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.

PE-W19AT001-30 CAD Drawing

WR-19 Waveguide Continuously Variable Attenuator, 0 to 30 dB, From 40 GHz to 60 GHz, UG-383/U-Mod Round Cover Flange, Dial

