

# High Voltage Attenuator 34 dB

# HVA-34A

Advanced TLP/HMM/HBM Solutions

## 1 Features

- 34 dB surge robust attenuator for TLP and HMM measurements
- Voltage attenuation factor  $k=50$
- 2 kV pulse peak voltage
- SMA interface



## 2 Description

The attenuator HVA-34A is used to attenuate high voltage pulse signals in a 50 Ω line. The device is symmetrical. Input and output can be exchanged.

Nominal impedance	:	50 Ω
Nominal attenuation	:	34 <sup>+1</sup> <sub>-1</sub> dB
Frequency range	:	DC to 3 GHz
Attenuation deviation	:	< 2 dB
Peak pulse voltage <sup>1)</sup>	:	2 kV
Peak pulse power <sup>1)</sup>	:	80 kW
<sup>1)</sup> max. 100 ns pulse width at max. 10 Hz pulse frequency		

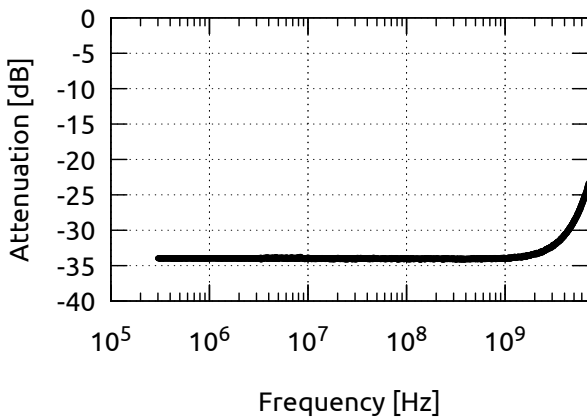


Figure 1: Typical frequency response.

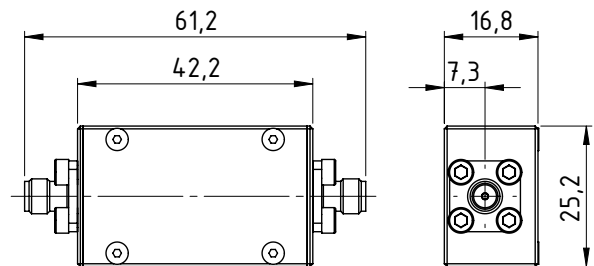


Figure 3: Dimensions in [mm].

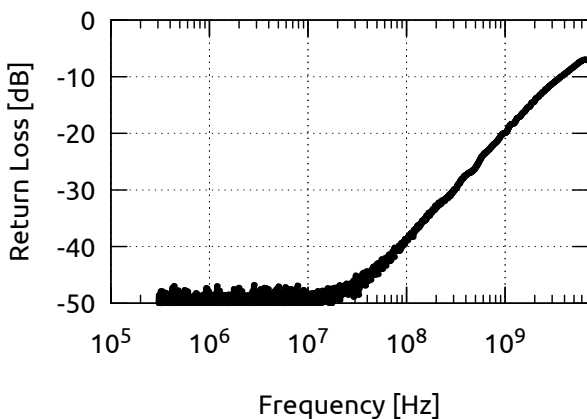


Figure 2: Typical return loss.

### General

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## 3 Ordering Information

Pos.	Description	Part No.
01	High Voltage Attenuator 34 dB	HVA-34A