

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 input voltage at maximum 1.6 μ s pulse width
- 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⁺¹₋₁ dB
 - Frequency range : DC to 3 GHz
 - Attenuation deviation : < 2 dB
 - Peak pulse voltage¹⁾ : 2 kV
 - Peak pulse power¹⁾ : 80 kW
- ¹⁾ max. 1.6 μ s pulse width, max. 0.25 % duty cycle

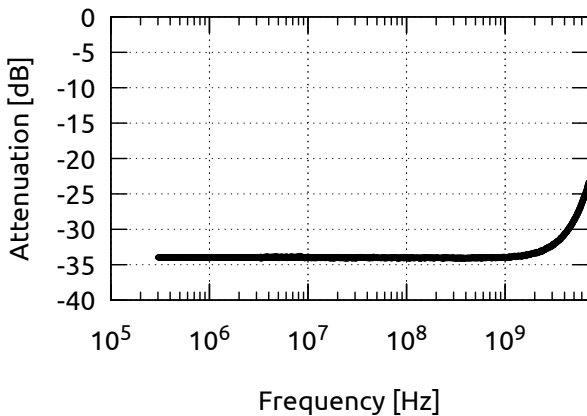


Figure 1: Typical frequency response.

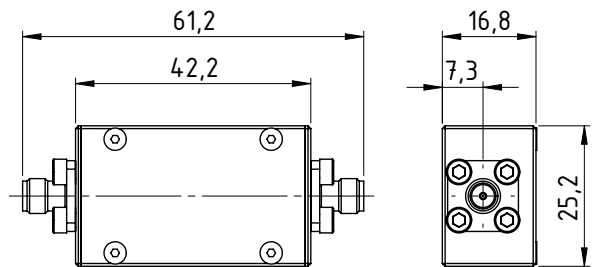


Figure 3: Dimensions in [mm].

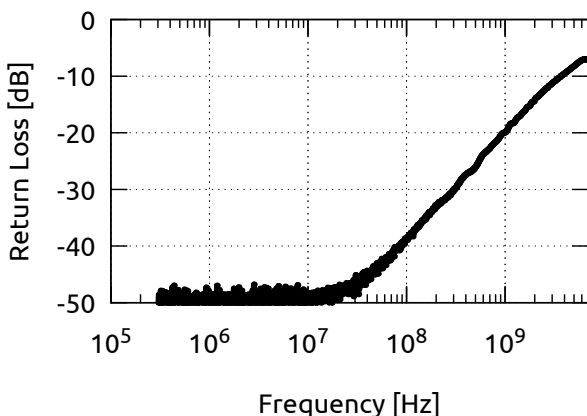


Figure 2: Typical return loss.

General

The product data contained in this data-sheet is exclusively intended for technically trained staff. You and your technical departments will have to evaluate the suitability of the product for the intended application and the completeness of the product data with respect to such application. Our products are solely intended to be commercially used internally and should not be sold to consumers. This data-sheet is describing the specifications of our products for which a warranty is being granted by HPPI GmbH. Any such warranty is granted exclusively pursuant the terms and conditions of the respective supply agreement. There will be no guarantee of any kind for the product and its specifications. For further information on technology, specific applications of our product, delivery terms, conditions and prices please contact HPPI:

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Due to technical requirements our products and/or their application may be harmful. For information please read carefully the manual or contact HPPI. Safety notes in the manual will inform you about possible risks that result from any foreseeable application of our products. Changes of this data-sheet are reserved.

3 Ordering Information

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