

# High Voltage Attenuator 34 dB

## HVA-34B

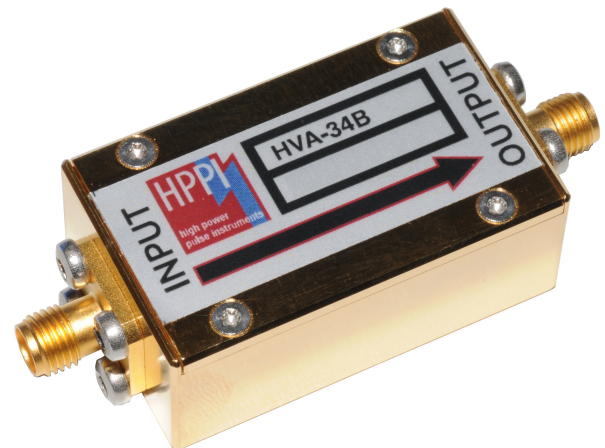
Advanced TLP/HMM/HBM Solutions

### 1 Features

- 34 dB surge robust attenuator for TLP and HMM measurements
- Voltage attenuation factor  $k = 1/50$
- 2 kV pulse peak input voltage at maximum 0.5  $\mu$ s pulse width
- SMA interface

### 2 Description

The attenuator HVA-34B is used to attenuate high voltage pulse signals in a 50  $\Omega$  line. **The device is not symmetrical. Input and output must not be exchanged. High voltage only at the input - otherwise the attenuator will damage.**



Nominal impedance	:	50 $\Omega$
Nominal attenuation	:	34 <sup>+1</sup> <sub>-1</sub> dB
Frequency range <sup>1)</sup>	:	DC to 4 GHz
Attenuation deviation	:	< 2 dB
Maximum peak pulse input voltage <sup>2)</sup>	:	2 kV

<sup>1)</sup> +1 dB

<sup>2)</sup> max. 0.5  $\mu$ s pulse width, max. 0.25 % duty cycle

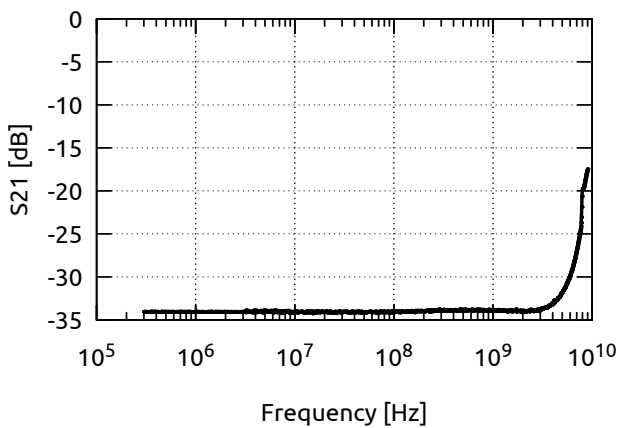


Figure 1: Typical frequency response

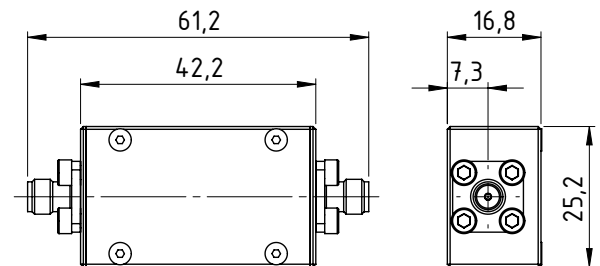


Figure 3: Dimensions in [mm]

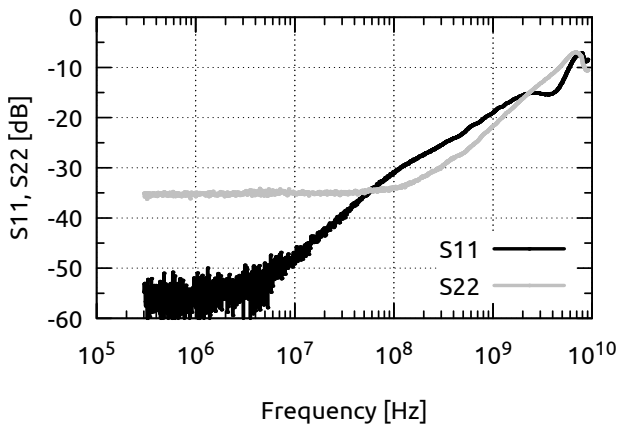


Figure 2: Typical reflection coefficients

### 3 Ordering Information

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

#### General

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