

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 μ s pulse width
- SMA interface

2 Description

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

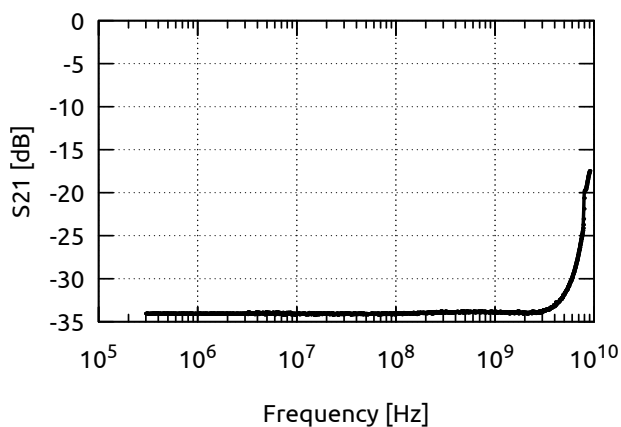


Figure 1: Typical frequency response

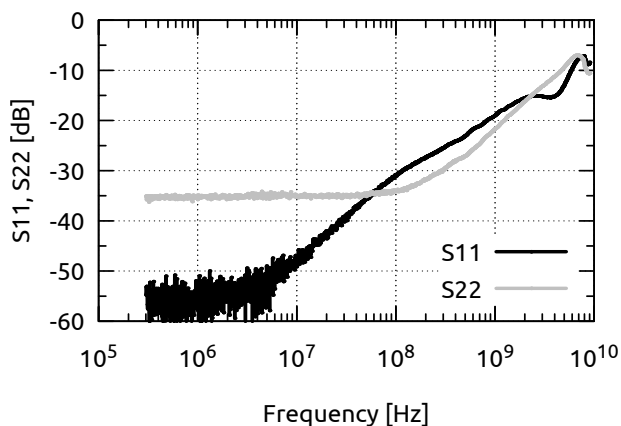
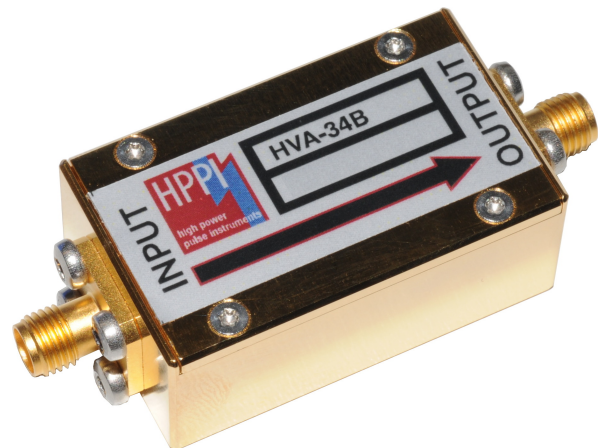


Figure 2: Typical reflection coefficients



Nominal impedance	:	50 Ω
Nominal attenuation	:	34 $^{+1}_{-1}$ dB
Frequency range ¹⁾	:	DC to 4 GHz
Attenuation deviation	:	< 2 dB
Maximum peak pulse input voltage ²⁾	:	2 kV

¹⁾ +1 dB

²⁾ max. 0.5 μ s pulse width, max. 0.25 % duty cycle

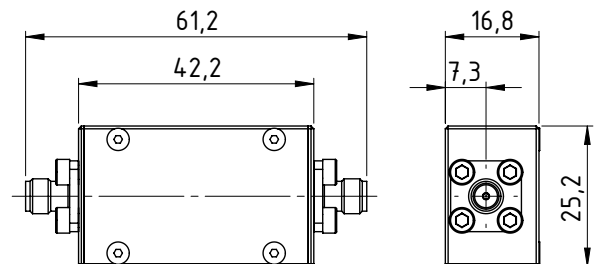


Figure 3: Dimensions in [mm]

3 Ordering Information

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

General

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