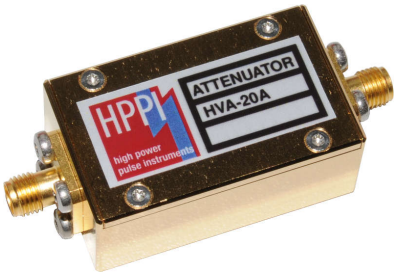
High Voltage Attenuator 20 dB HVA-20A

Advanced TLP/HMM/HBM Solutions

1 Features

- 20 dB surge robust attenuator for TLP, HMM and reverse recovery measurements
- DC - 7 GHz bandwidth
- 2 kV peak pulse voltage
- SMA connectors (optional: N)



2 Description

The attenuator HVA-20A is used to attenuate high voltage pulse signals in a 50 Ω line. The device is symmetrical. Input and output can be exchanged.

3 Electrical Data

Nominal impedance	:	50	Ω
Nominal attenuation	:	20^{+1}_{-1}	dB
Frequency range [1]	:	DC to 7	GHz
Peak pulse voltage [2]	:	2	kV
Peak pulse power [2]	:	80	kW
Maximum DC input voltage	:	22	V
Maximum DC input current	:	445	mA

[1] +3 dB

[2] max. 1 µs pulse width, max. 0.25 % duty cycle

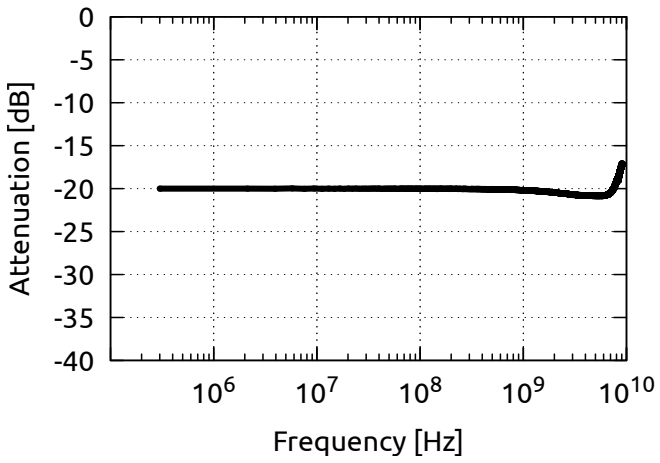


Figure 1: Typical frequency response

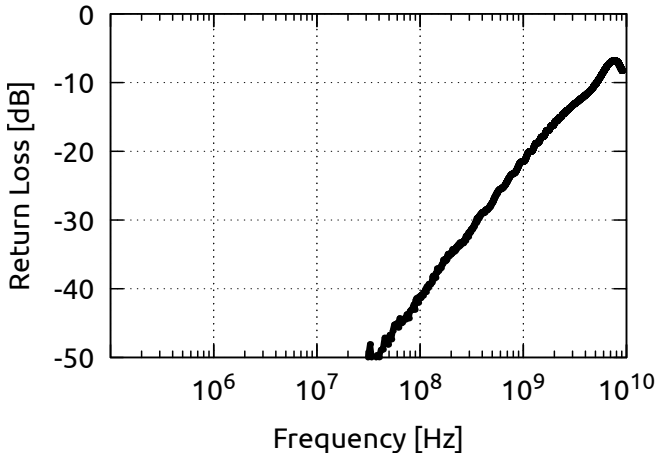


Figure 2: Typical return loss

4 Physical Dimensions

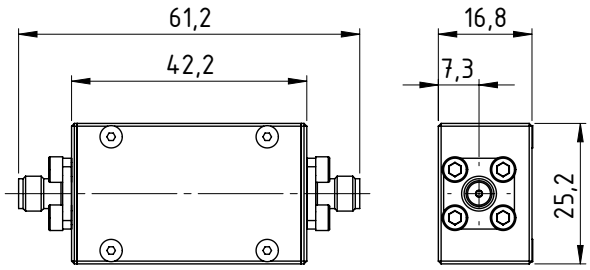


Figure 3: Dimensions (SMA version) in [mm]

5 Ordering Information

Optional available with N-connectors (f/m). Please specify at order.

Pos.	Description	Part No.
01	High Voltage Attenuator 20 dB	HVA-20A

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:

High Power Pulse Instruments GmbH
Stadlerstrasse 6A
D-85540 Haar, Germany
Phone : +49 (0)89 8780698 - 440
Fax : +49 (0)89 8780698 - 444
E-Mail : info@hppi.de

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