1 Features

- 34 dB surge robust attenuator for TLP and HMM measurements
- Voltage attenuation factor k=50
- 1.5 kV pulse peak input voltage at maximum 1.6 µs 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.

![Figure 1: Typical frequency response.](image1.png)

![Figure 2: Typical return loss.](image2.png)

3 Ordering Information

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Description</th>
<th>Part No.</th>
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<tr>
<td>01</td>
<td>High Voltage Attenuator 34 dB</td>
<td>HVA-34A</td>
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</table>

Nominal impedance : 50 Ω
Nominal attenuation : 34 dB
Frequency range : DC to 3 GHz
Attenuation deviation : < 2 dB
Peak pulse voltage: 1.5 kV
Peak pulse power: 45 kW
1) max. 1.6 µs pulse width, max. 0.25 % duty cycle

Figure 3: Dimensions in [mm].

General

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