1 Features

- 3 dB surge robust attenuator for TLP, HMM and reverse recovery measurements
- DC - 3.5 GHz bandwidth
- 2.5 kV peak pulse voltage
- SMA interface

2 Description

The attenuator HVA-03A 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

![Graph showing frequency response](image1)

Figure 1: Typical frequency response

![Graph showing return loss](image2)

Figure 2: Typical return loss

- Nominal impedance: 50 Ω
- Nominal attenuation: 3 dB
- Frequency range: DC to 3.5 GHz
- Attenuation deviation: ±1 dB
- Peak pulse voltage: 2.5 kV (max. 1 μs pulse width, max. 0.25 % duty cycle)

4 Physical Dimensions

![Dimensions](image3)

Figure 3: Dimensions in [mm]

5 Ordering Information

<table>
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<tr>
<th>Pos.</th>
<th>Description</th>
<th>Part No.</th>
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<tbody>
<tr>
<td>01</td>
<td>High Voltage Attenuator 3 dB</td>
<td>HVA-03A</td>
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General

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