100 ns Rise-Time Filter ORTF-100

Advanced TLP/HMM/HBM Solutions

1 Features

- 50 Ω rise-time filter for TLP measurements
- 100 ns (±10 %) rise-time
- up to 100 A pulse peak current
- up to 3.5 kV pulse peak voltage
- SMA connectors

2 Description

The rise time filter is used to generate a pulse rise-time of 100 ns at the output of the filter. The filter can be connected directly at the pulse output of the high voltage pulse generator.

The rise-time of the pulse at the input of the filter should be ≤1 ns. The filter is fully symmetrical. Input and output can be exchanged.

3 Electrical Characteristics

Figure 1: Physical dimensions in [mm]

Figure 2: Typical step response

Figure 3: Typical frequency response

Figure 4: Typical return loss
100 ns Rise-Time Filter  ORTF-100

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4 Ordering Information

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<td>100 ns Rise-Time Filter</td>
<td>ORTF-100</td>
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