

Rise-Time Filter 50 ns

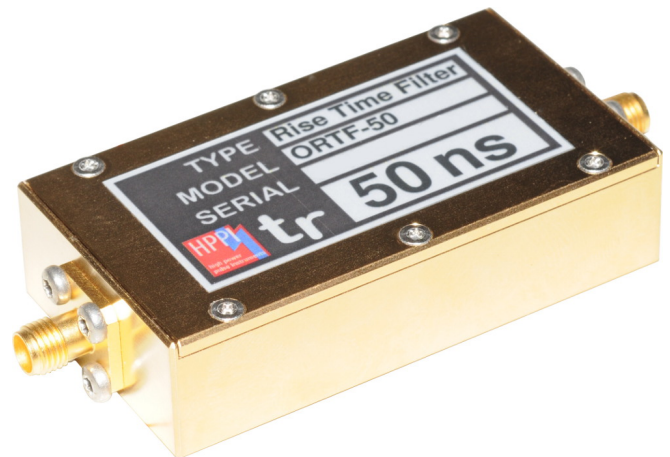
Advanced TLP/HMM/HBM Solutions

1 Features

- 50 Ω Rise-Time Filter for TLP Measurements
- Typ. 50 ns Rise-Time
- Return Loss <-18 dB
- Up to 3 kV Pulse Peak Voltage

2 Description

The rise time filter is used to generate a pulse rise-time of 50 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 set to 100 ps. The filter is fully symmetrical. Input and output can be exchanged.



3 Electrical Characteristics

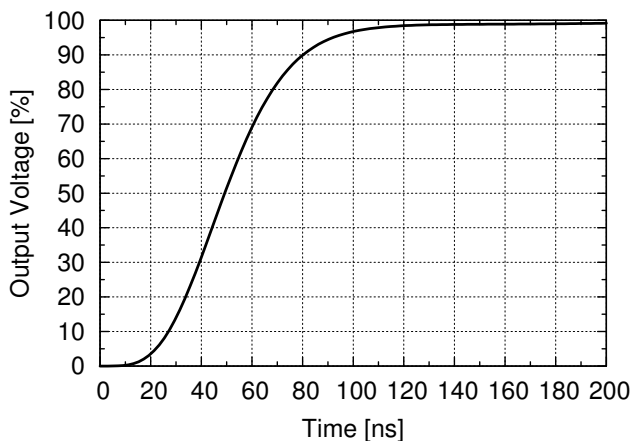


Figure 1: Typical step response.

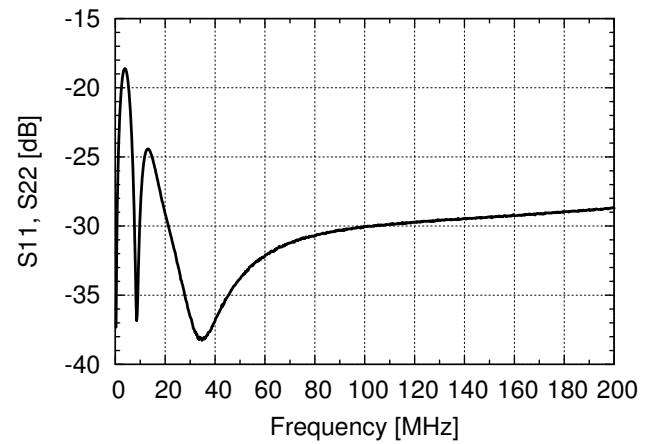


Figure 3: Typical return loss.

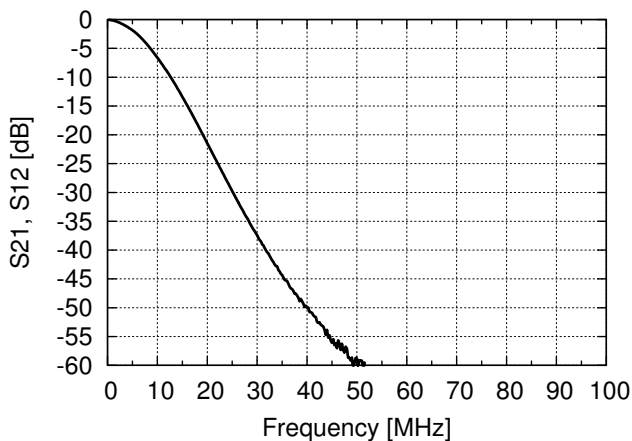


Figure 2: Typical frequency response.

4 Ordering Information

Pos.	Description	Part No.
01	Rise-Time Filter 50 ns	ORTF-50

General

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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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