

Rise Time Filter 20 ns ORTF-20

Advanced TLP/HMM Solutions

1 Features

- 50 Ω Rise Time Filter for TLP Measurements
- Typ. 20 ns Rise Time
- Return Loss < -23 dB
- Up to 3 kV Pulse Peak Voltage

2 Description

The rise time filter is used to generate a pulse rise time of 20 ns at the output of the filter. The filter can be connected directly at the pulse output of the high voltage pulse generator TLP-3010C or TLP-4010C. 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

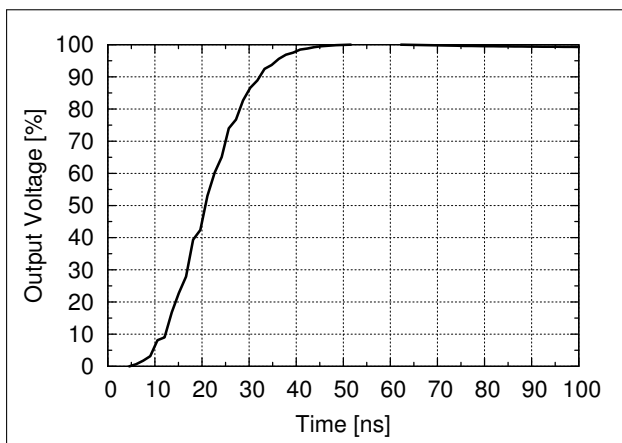
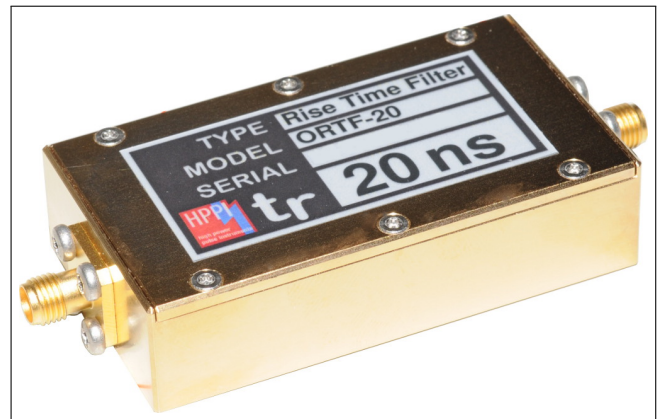


Figure 1: Typical step response.

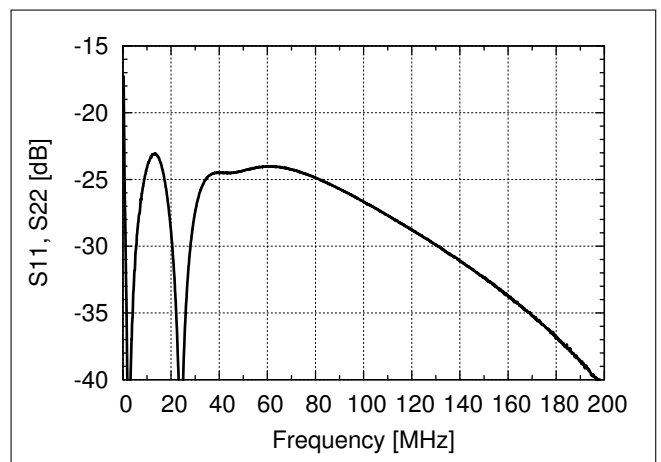


Figure 3: Typical return loss.

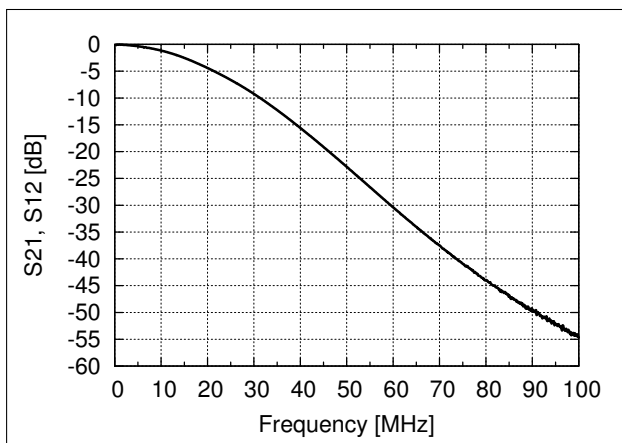


Figure 2: Typical frequency response.

4 Ordering Information

Pos.	Description	Part No.
01	Rise Time Filter 20 ns	ORTF-20

General

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