

100 ns Rise-Time Filter ORTF-100

Advanced TLP/HMM/HBM Solutions

1 Features

- 50 Ω rise-time filter for TLP measurements
- 100 ns ($\pm 5\%$) 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.

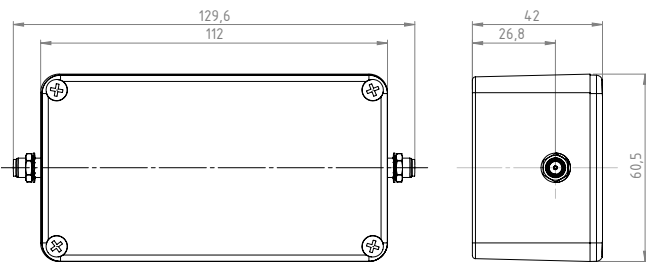


Figure 1: Physical dimensions in [mm]

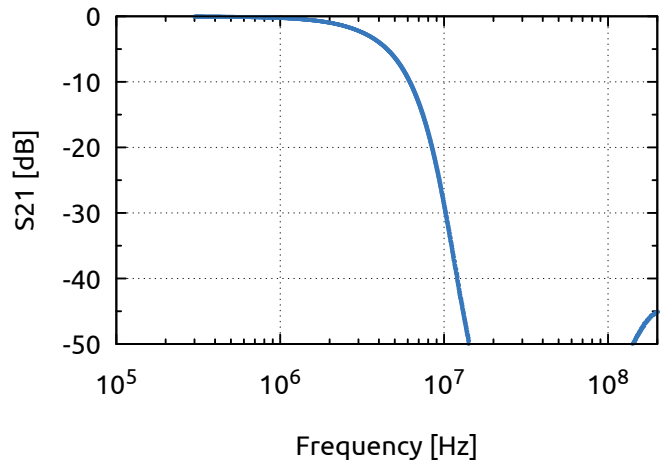


Figure 3: Typical frequency response

3 Electrical Characteristics

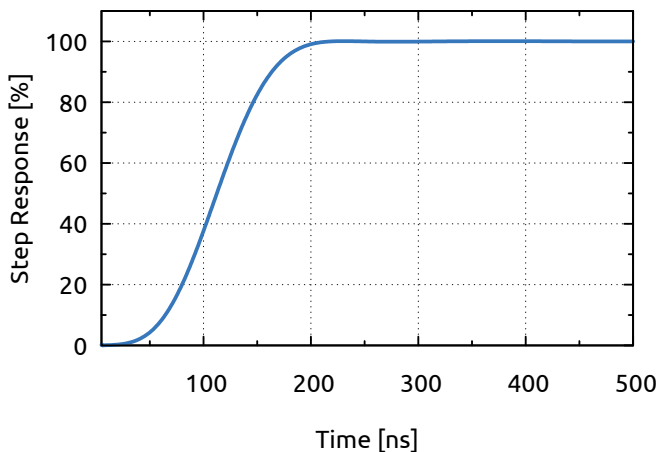


Figure 2: Typical step response

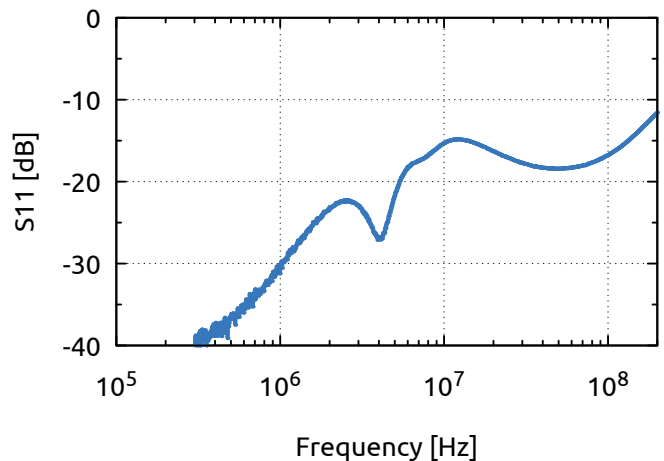


Figure 4: Typical return loss

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4 Ordering Information

Pos.	Description	Part No.
01	100 ns Rise-Time Filter	ORTF-100

General

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