

# 250 ns Rise-Time Filter ORTF-250

Advanced TLP/HMM/HBM Solutions

## 1 Features

- 50 Ω rise-time filter for TLP measurements
- 250 ns ( $\pm 10\%$ ) rise-time
- 60 A pulse current
- 2.5 kV
- SMA connectors

## 2 Description

The rise time filter is used to generate a pulse rise-time of 250 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  $\leq 1$  ns. The filter is fully symmetrical. Input and output can be exchanged.

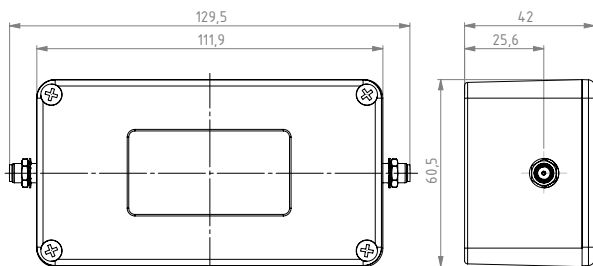


Figure 1: Physical dimensions in [mm]

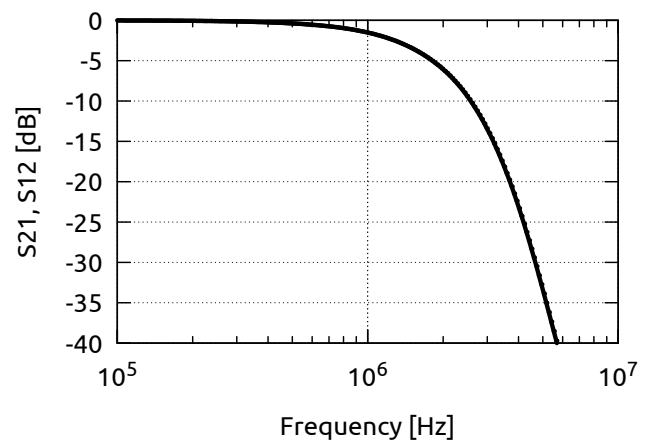


Figure 3: Typical frequency response

## 3 Electrical Characteristics

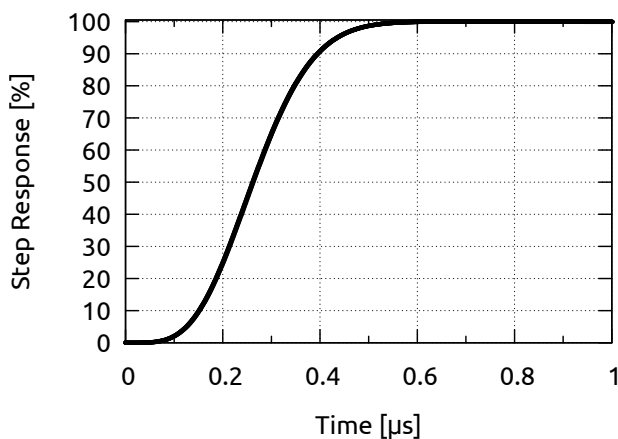


Figure 2: Typical step response

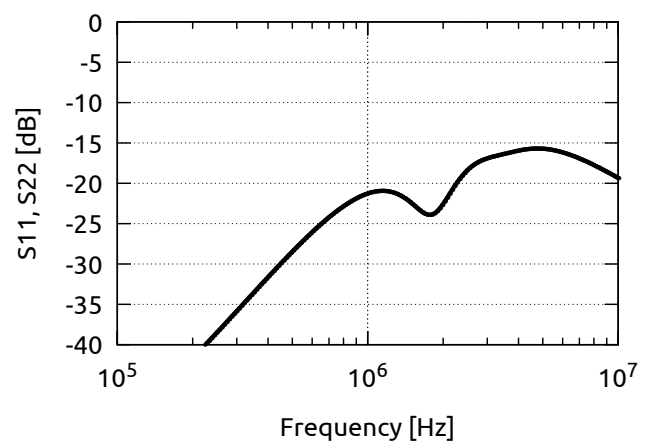


Figure 4: Typical return loss

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## 4 Ordering Information

Pos.	Description	Part No.
01	250 ns Rise-Time Filter	ORTF-250

### General

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