

High Voltage Ultra Wide Band Pulse Inverter

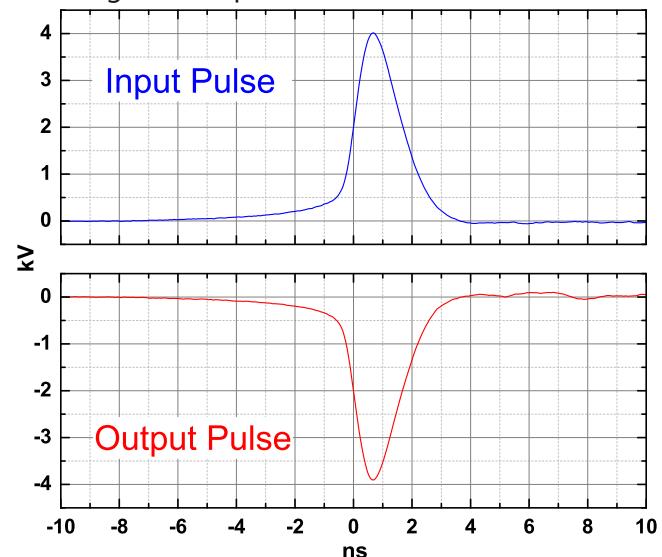


PI-5/100

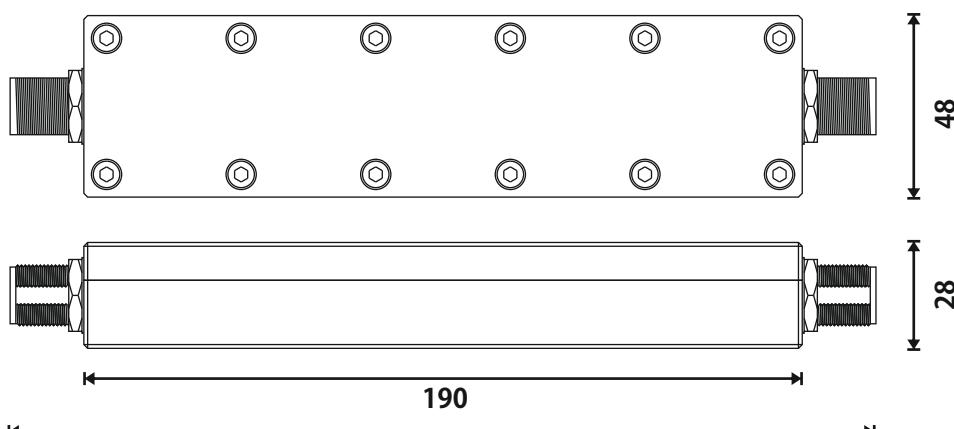
- Up to 7 kV pulse voltage
- Nanosecond and picosecond pulse width
- Ultra wide band design

The PI-5/100 pulse inverter reverses the polarity of high voltage pulses having a duration from 100 picoseconds up to 100 nanoseconds. It can be used in conjunction with PPG/PPM series pulse generators and allows for the generation of negative pulses when using a pulser with a positive output, or vice versa. The PI-5/100 has a symmetrical design, with over 95% pulse transfer efficiency, 100 ns time domain window, and a ring-free output.

Max pulse amplitude	7 kV
Input pulse polarity	both
Max input pulse width	100 ns
Module of voltage transfer ratio	> 0.95
Square pulse top skew	< 6% / 100 ns
Input/output connectors	N type



The typical waveforms of the input pulse of positive polarity and the reversed output pulse of negative polarity



*) For the reference only

**) All the dimensions are in mm