

High Voltage Ultra Wide Band Pulse Inverter

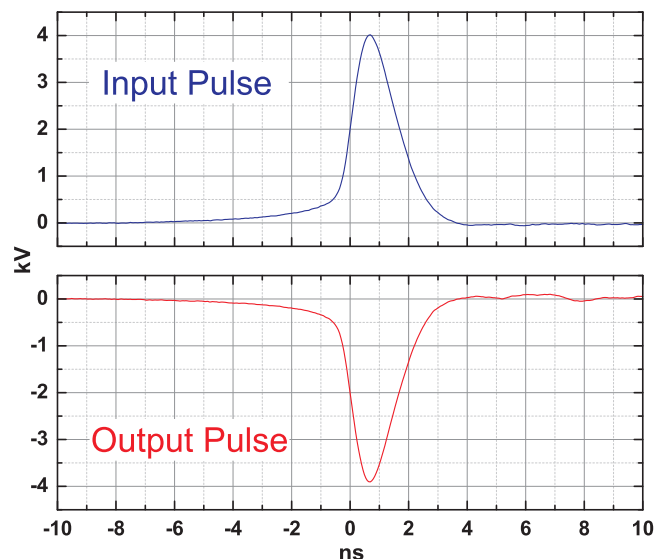
PI-5/100



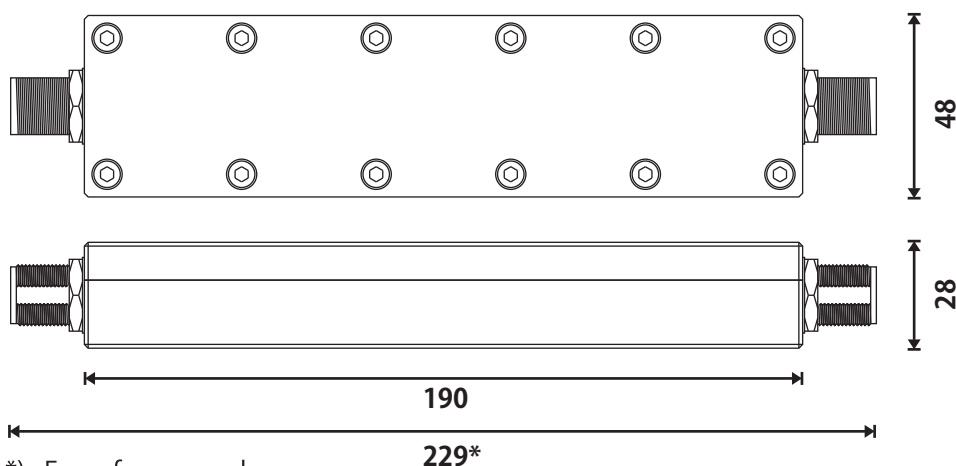
- Up to 5 kV pulse voltage
- Nanosecond and subnanosecond pulse width
- Ultra wide bandwidth

PI-5/100 pulse inverter is designed to change the polarity of high voltage pulses with a duration from tens of picoseconds up to 100 nanoseconds. It can be used together with PPG series pulse generators and easily solves the problem of obtaining the negative pulses while using the pulser with positive output. PI-5/100 has symmetrical design, more than 95 percent pulse transfer ratio and ringing free output.

Max pulse amplitude	5 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



Sample waveforms of input positive polarity pulse and output reversed (negative) polarity pulse



*) For reference only

***) All the dimensions are in mm