

Research Tittle : The measurement of Short-Duration (Steep-Front) Impulse Voltage  
Financial Suport : Khon Kaen University  
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### Abstract

This research is investigates a steep-front rise-time impulse measurement system. The researcher has designed and frabricate

- a resistive voltage divider
- a pressurized gas-gap to chop the front rise time of standard impulse to steep-front impulse.

The voltage divider when connect with the generator and the pressurized gas-gap can measure voltage waveform of 400 K volt and rise time of 100 ns.