

AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVR-E3-B-PN-W1-OT13-ATT-AK2-AC02
Type: Ultra-High-Speed Pulse Generator
S.N.: 13476
Date: July 28, 2016

Output Amplitude: up to 100V, to 50Ω
Pulse Width (FWHM): 1 to 200 ns
Rise Time (20%-80%): ≤ 500 ps
Fall Time (80%-20%): ≤ 1 ns
PRF: 1 Hz - 100 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

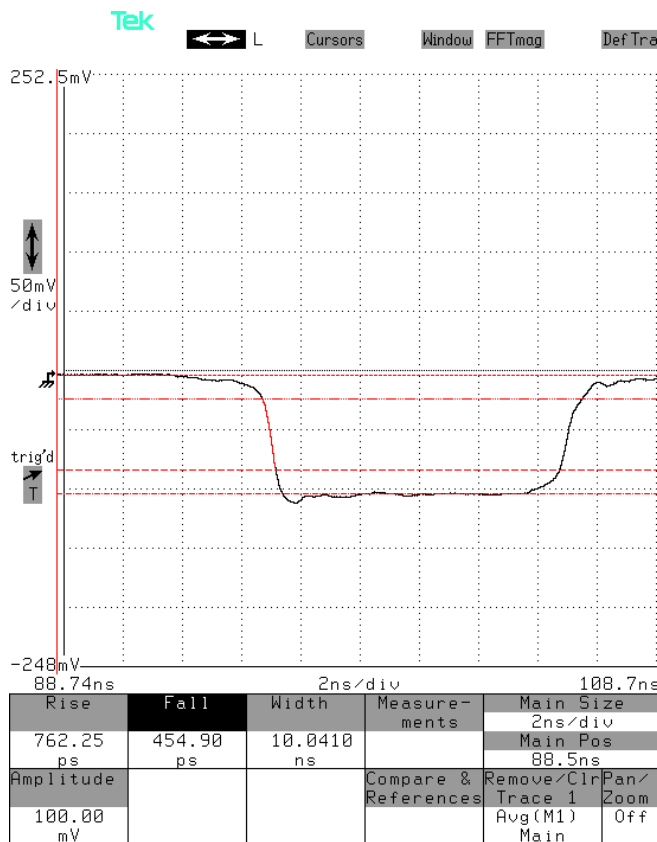
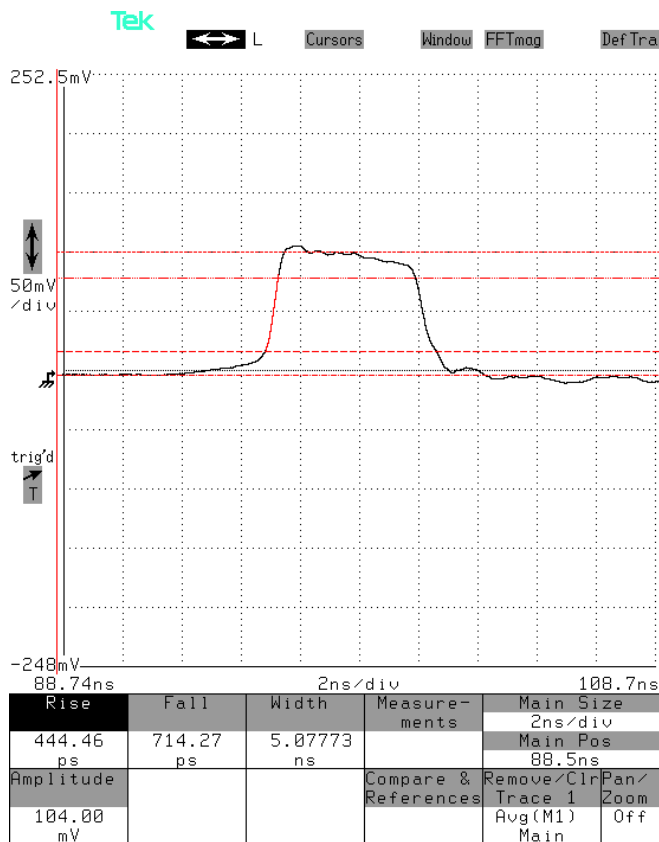
Test Waveforms

100 kHz, 5 ns, > +100V,

100 kHz, 10 ns, -100V,

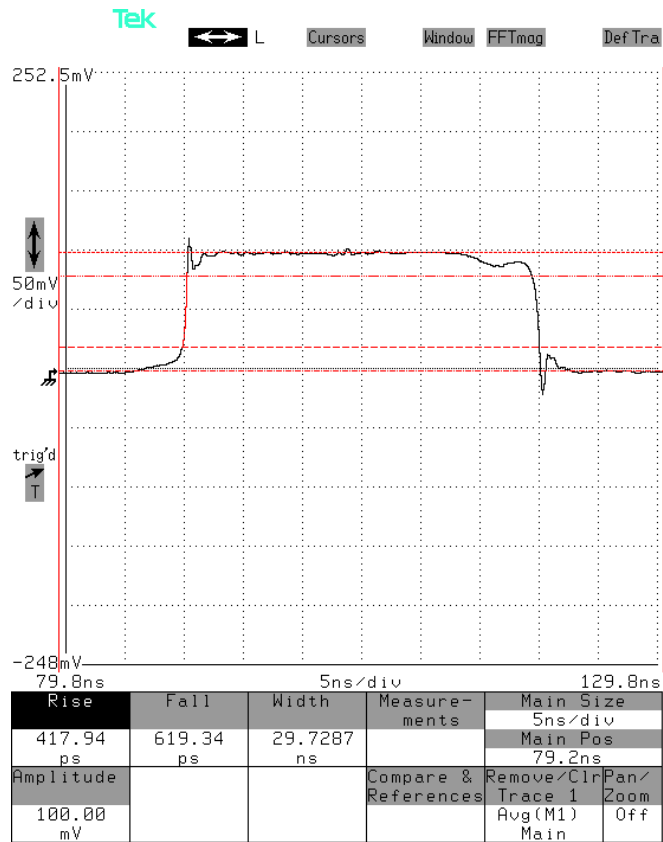
2 ns/div. 50 V/div (50 mV/div × 60 dB):

2 ns/div. 50 V/div (50 mV/div × 60 dB):



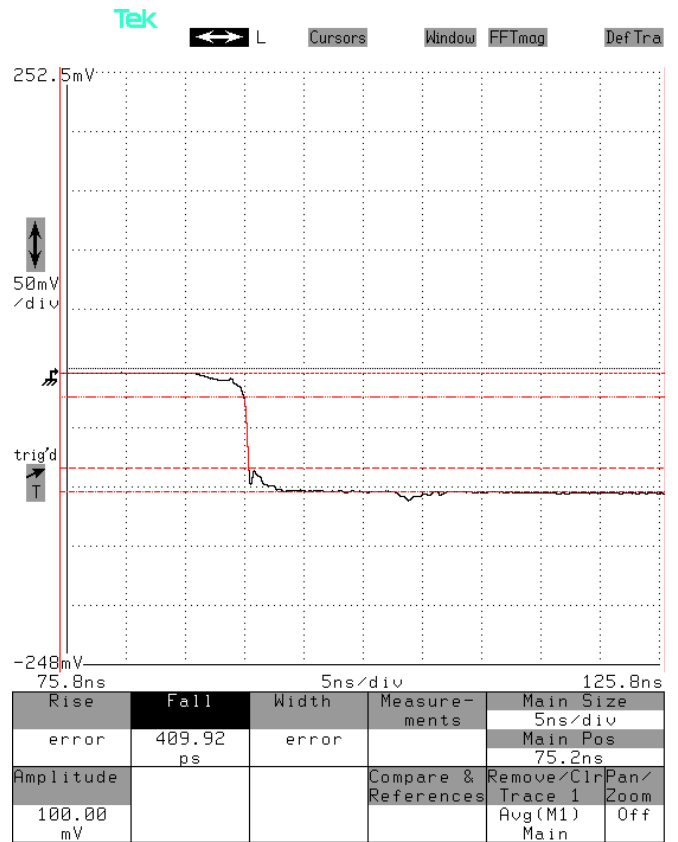
100 kHz, 30 ns, +100V,

5 ns/div. 50 V/div (50 mV/div × 60 dB):



10 kHz, 200 ns, > -100V, leading edge,

5 ns/div. 50 V/div (50 mV/div × 60 dB):



10 kHz, 200 ns, > -100V, trailing edge,

5 ns/div. 50 V/div (50 mV/div × 60 dB):

