



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-AK2-AK8-W3-OS-R5-X2-ATA3-AC22
Type: Ultra-High-Speed Pulse Generator
S.N.: 13716
Date: June 6, 2018

Output Amplitude: up to $\pm 100V$, to 50 Ω
Pulse Width (FWHM): 1 ns to 5 μs
Rise Time (20%-80%): ≤ 500 ps
Fall Time (80%-20%): ≤ 1 ns
PRF: 1 Hz - 20 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

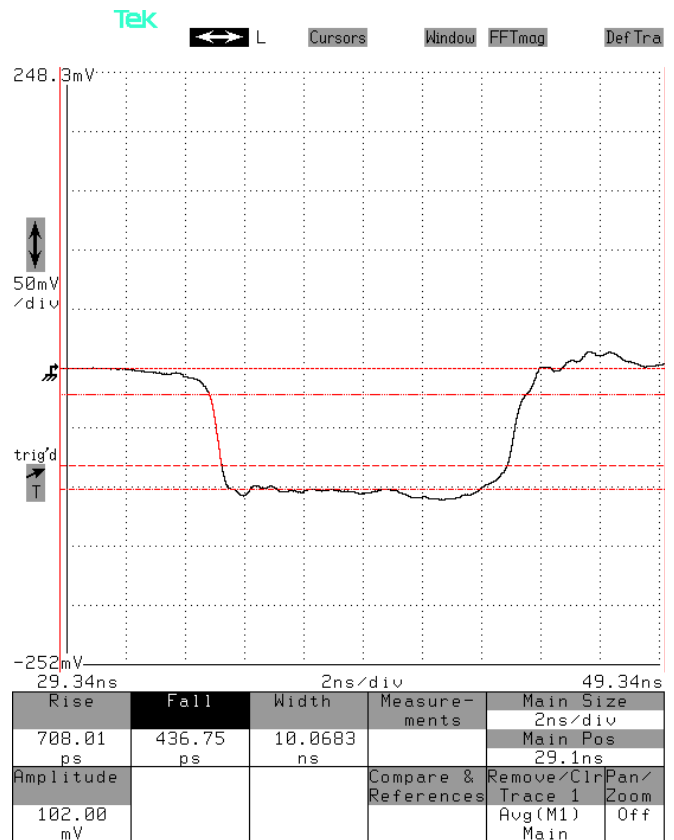
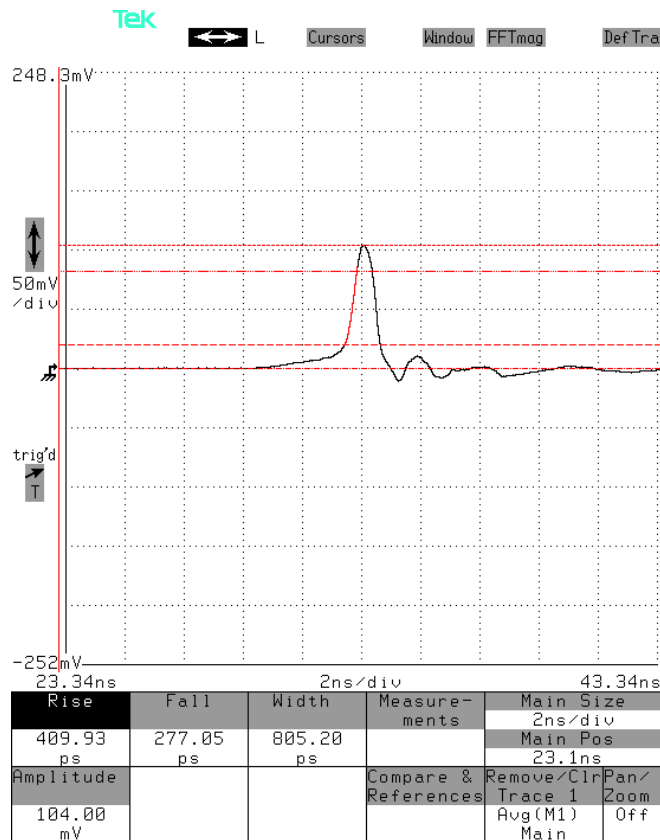
Test Waveforms

20 kHz, < 1 ns, > +100V,

20 kHz, 10 ns, > -100V,

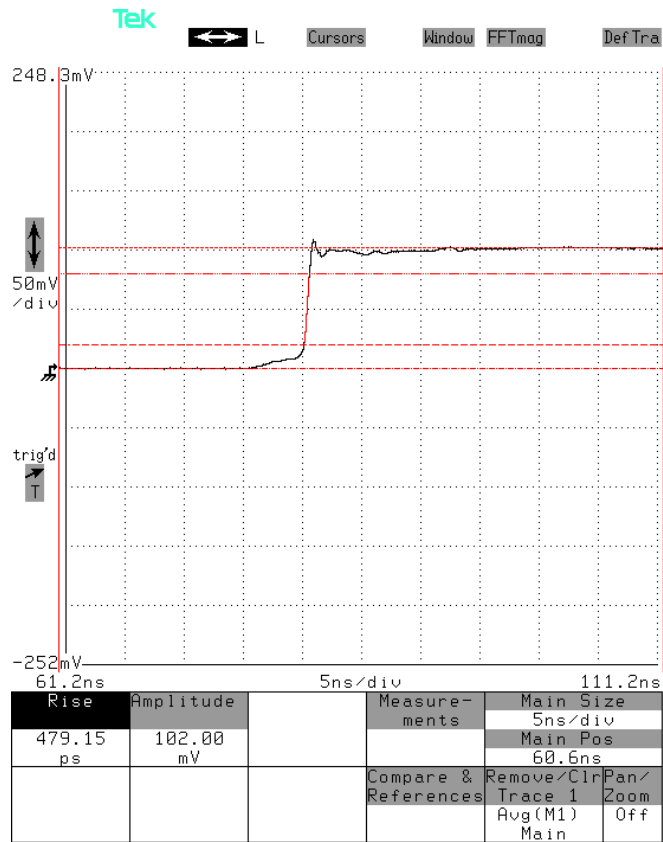
2 ns/div. 50 V/div (50 mV/div \times 60 dB):

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



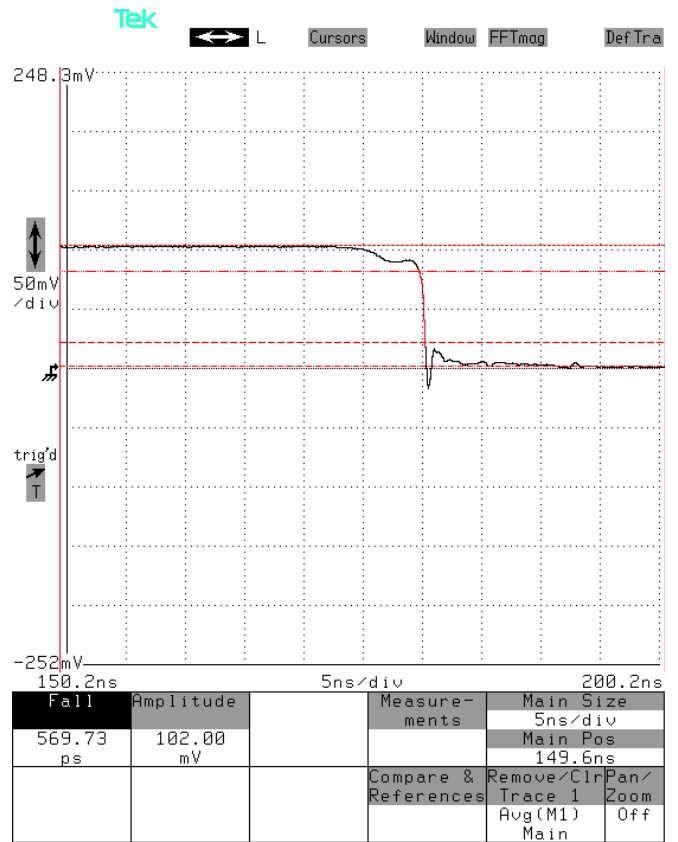
20 kHz, 100 ns, > +100V, leading edge,

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

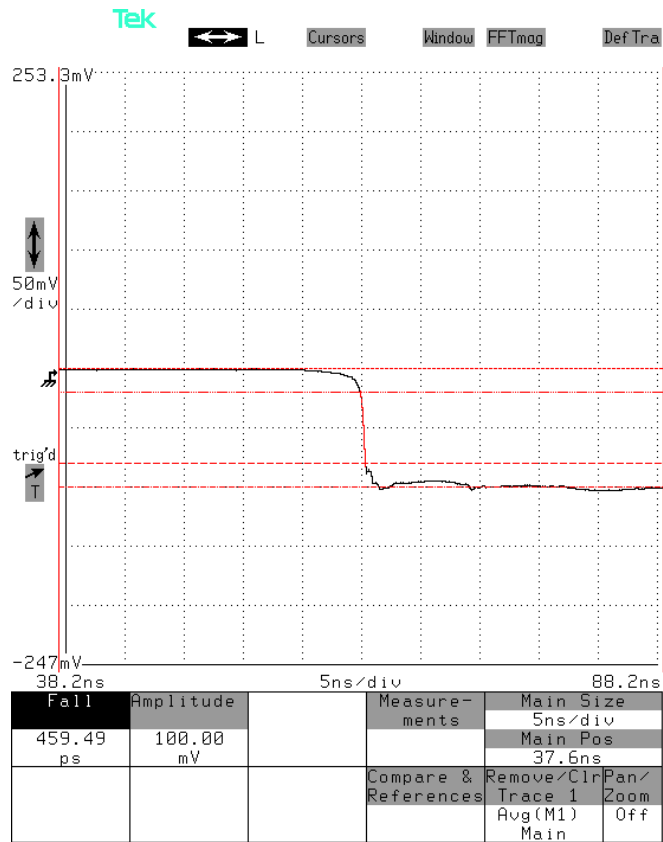


20 kHz, 100 ns, > +100V, trailing edge,

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



10 kHz, 5 us, -100V, leading edge,
 5 ns/div. 50 V/div (50 mV/div × 60 dB):



10 kHz, 5 us, -100V, full pulse,
 1 us/div. 50 V/div (50 mV/div × 60 dB):

