



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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☒ BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVR-E2-B-PN-W1-L2KA
Type: Ultra-High-Speed Pulse Generator
S.N.: 13595
Date: August 29, 2017

Output Amplitude: up to $\pm 50V$, to 50 Ω
Pulse Width (FWHM): 1 ns – 100 ns
Rise Time (20%-80%): ≤ 300 ps
Fall Time (80%-20%): ≤ 600 ps
PRF: 1 Hz - 10 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

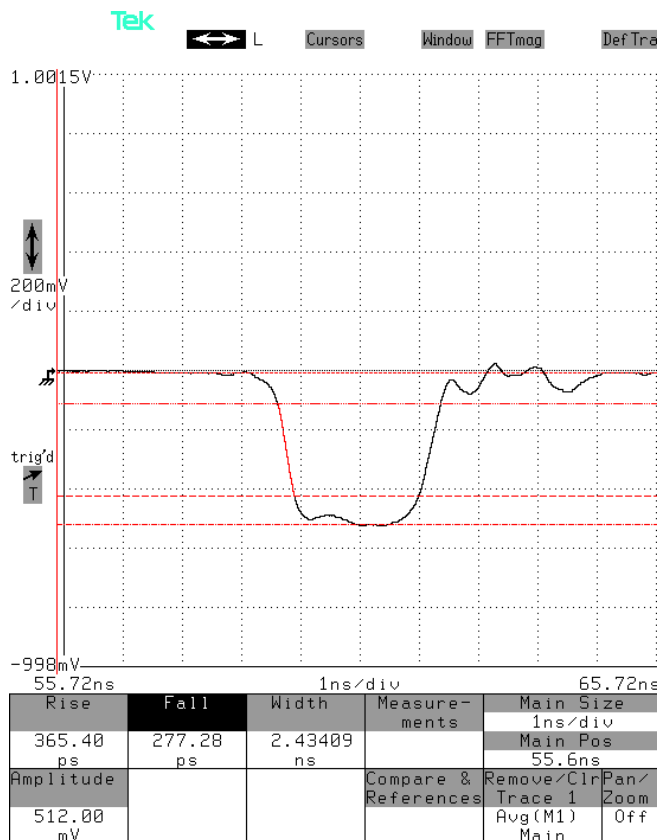
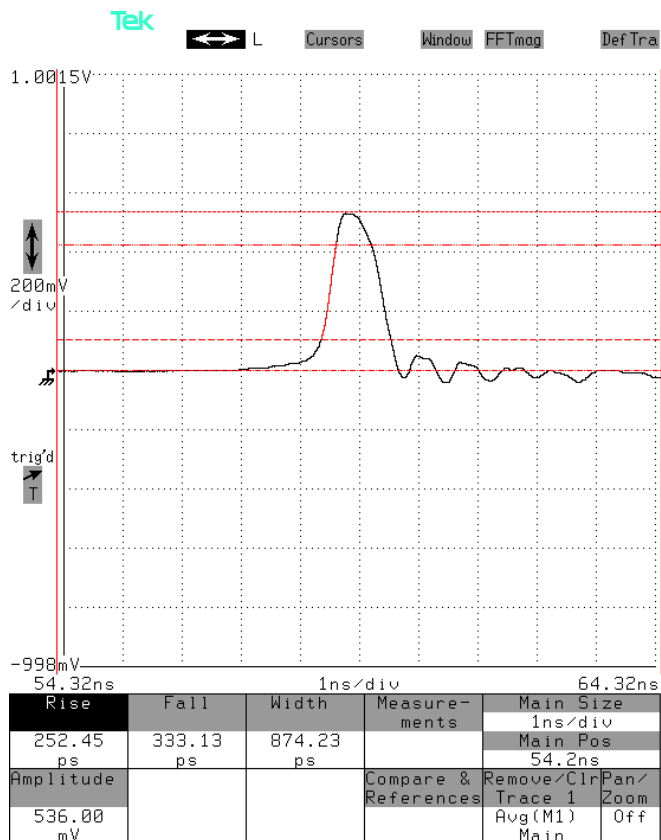
Test Waveforms

10 kHz, < 1 ns, > +50V,

10 kHz, 2.5 ns, > -50V,

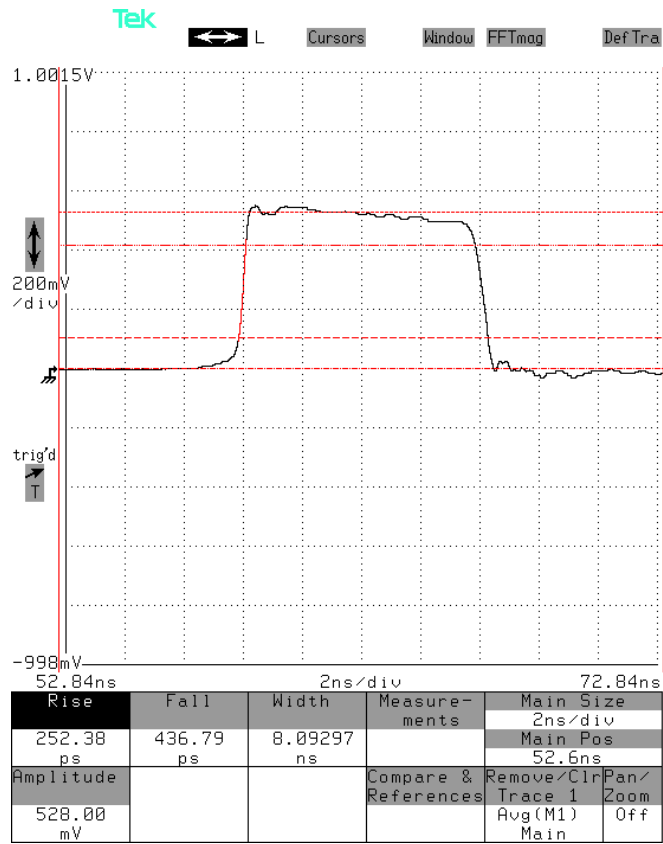
1 ns/div. 20 V/div (200 mV/div \times 40 dB):

1 ns/div. 20 V/div (200 mV/div \times 40 dB):



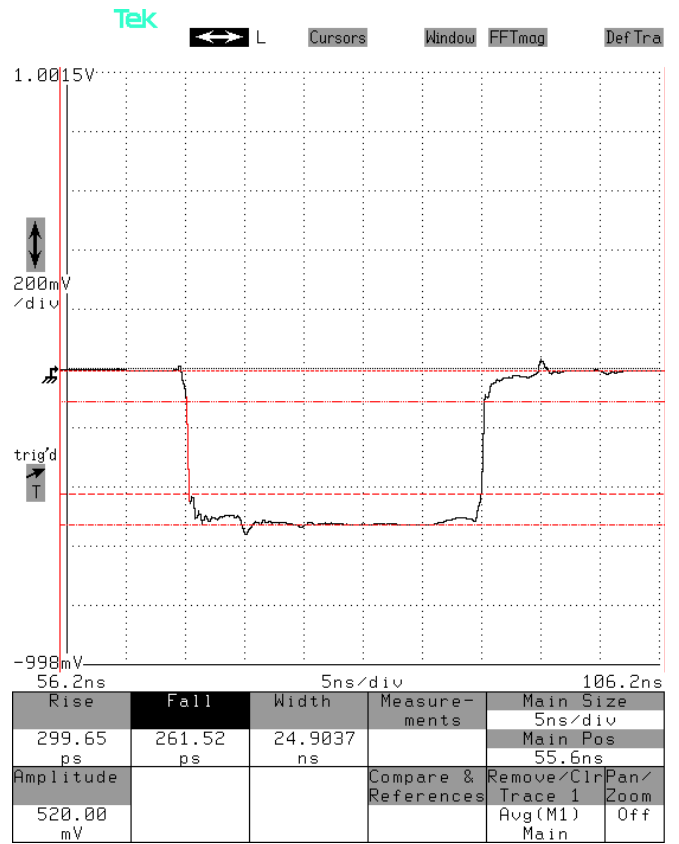
10 kHz, 8 ns, > +50V,

2 ns/div. 20 V/div (200 mV/div × 40 dB):

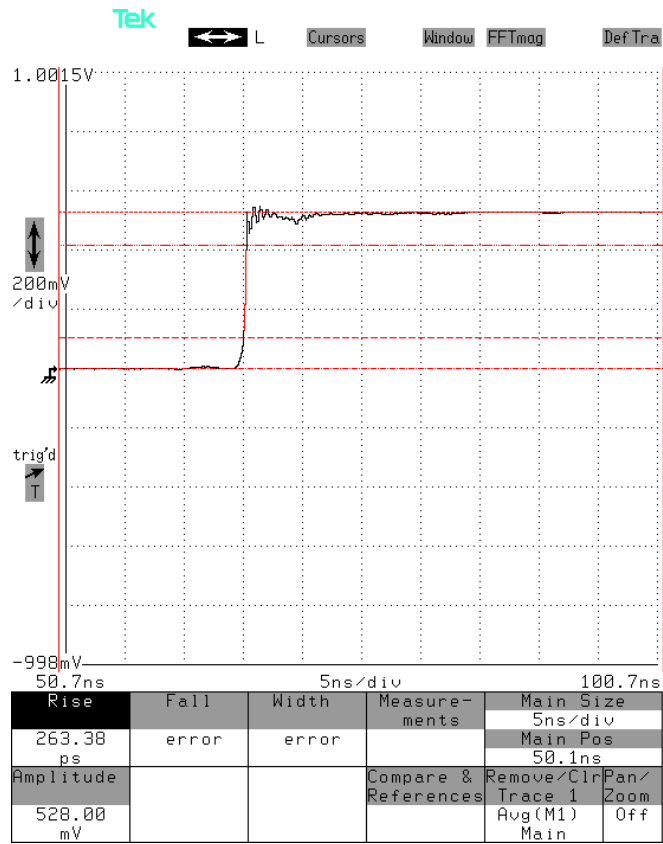


10 kHz, 25 ns, > -50V,

5 ns/div. 20 V/div (200 mV/div × 40 dB):



10 kHz, 100 ns, > +50V, leading edge,
 5 ns/div. 20 V/div (200 mV/div × 40 dB):



10 kHz, 100 ns, > +50V, trailing edge,
 5 ns/div. 20 V/div (200 mV/div × 40 dB):

