



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-C-P-AK1-AK8
Type: Ultra-High-Speed Pulse Generator
S.N.: 13247
Date: December 17, 2014

Output Amplitude: up to +50V, to 50Ω
Pulse Width (FWHM): 10 ns – 200 ns
Rise Time (20%-80%): ≤ 500 ps
Fall Time (80%-20%): ≤ 1 ns
PRF: 1 Hz - 200 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

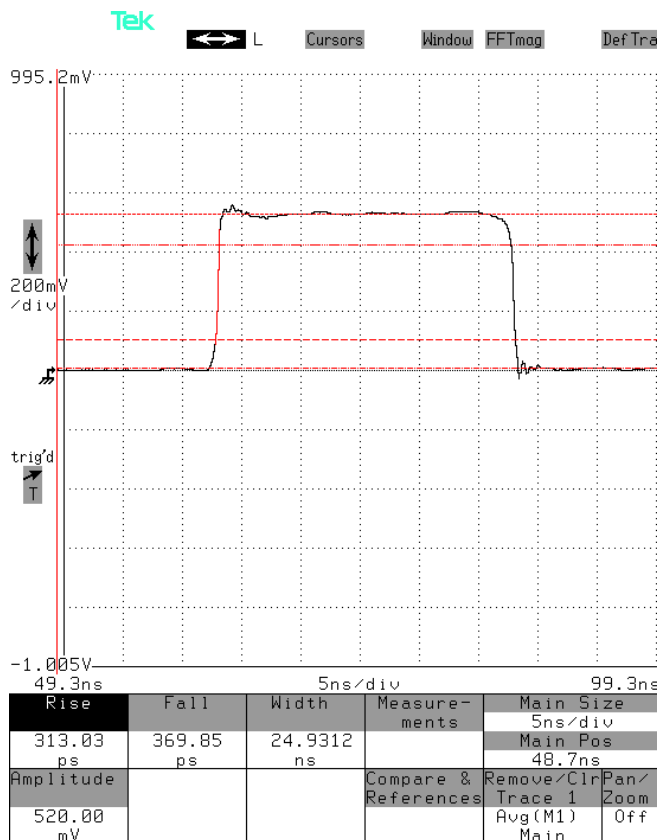
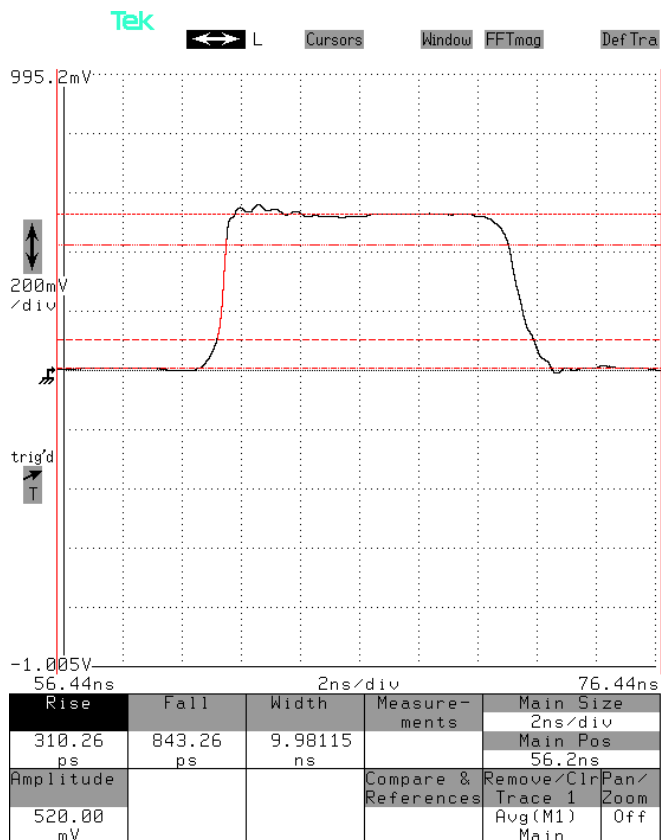
Test Waveforms

200 kHz, 10 ns, +50V,

200 kHz, 25 ns, +50V,

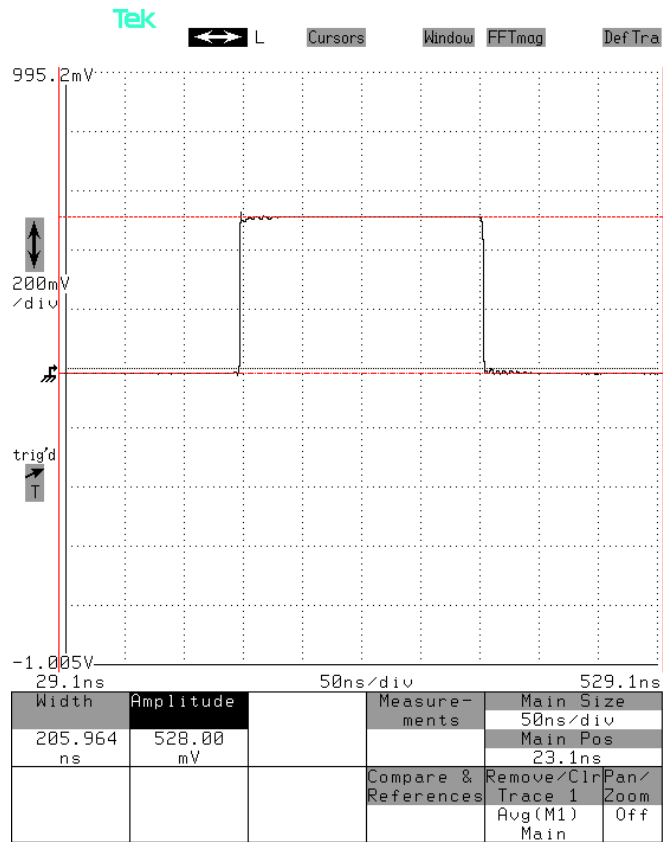
2 ns/div. 20 V/div (200 mV/div × 40 dB):

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



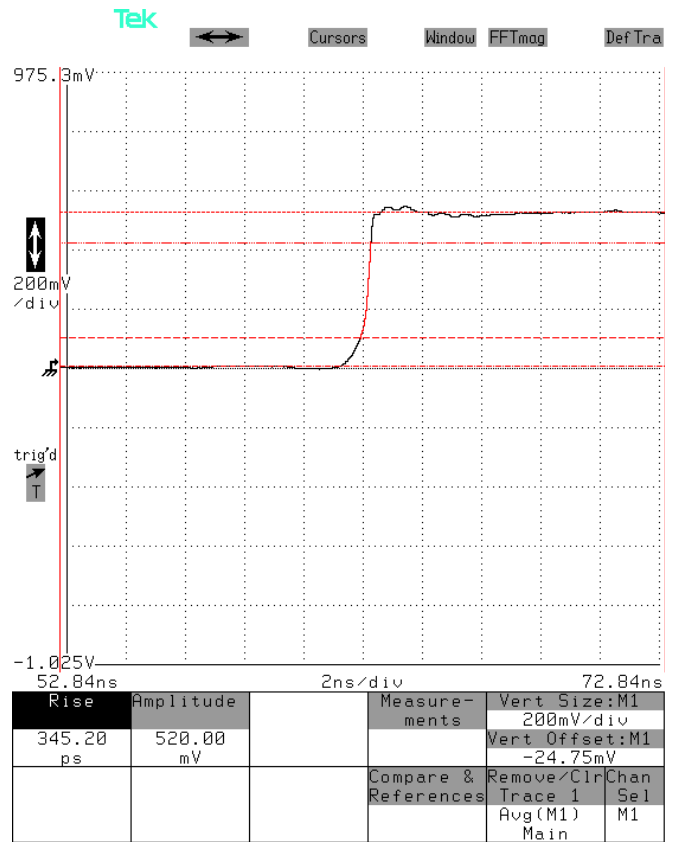
200 kHz, 200 ns, +50V,

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



Same as previous, scaled to show leading edge,

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



Same as previous, scaled to show trailing edge,

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

