



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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☒ BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVR-E3A-C-PN-AC22
Type: Ultra-High-Speed Pulse Generator
S.N.: 13349
Date: January 14, 2016

Output Amplitude: up to $\pm 100V$, to 50Ω
Pulse Width (FWHM): 10 – 500 ns
Rise Time (20%-80%): ≤ 1.2 ns
Fall Time (80%-20%): ≤ 2 ns (3 ns if $PW < 15ns$)
PRF: up to 200 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

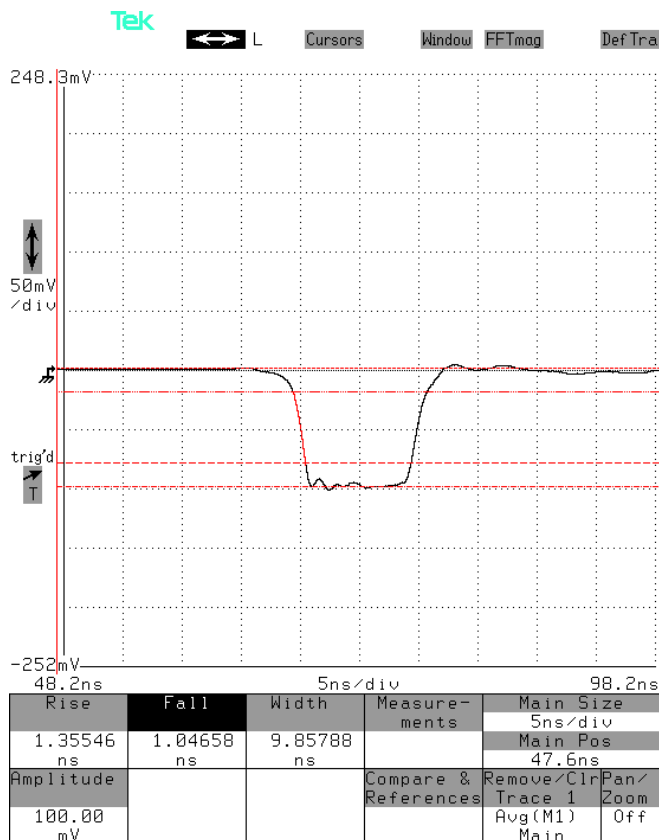
Test Waveforms

Full pulse at 200 kHz, < 10 ns, $> -100V$,

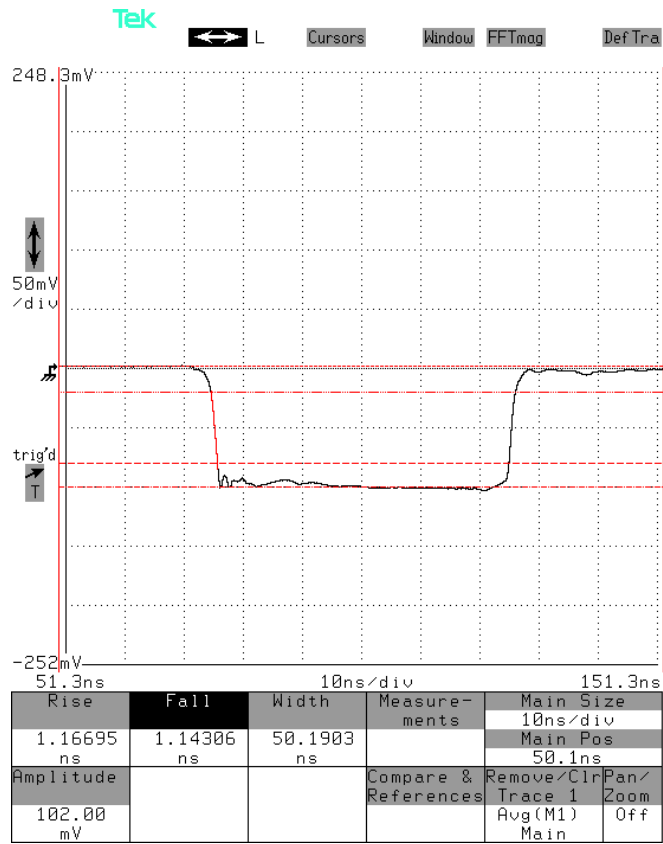
5 ns/div. 50 V/div (50 mV/div \times 60 dB):

Full pulse at 200 kHz, < 10 ns, $> +100V$,

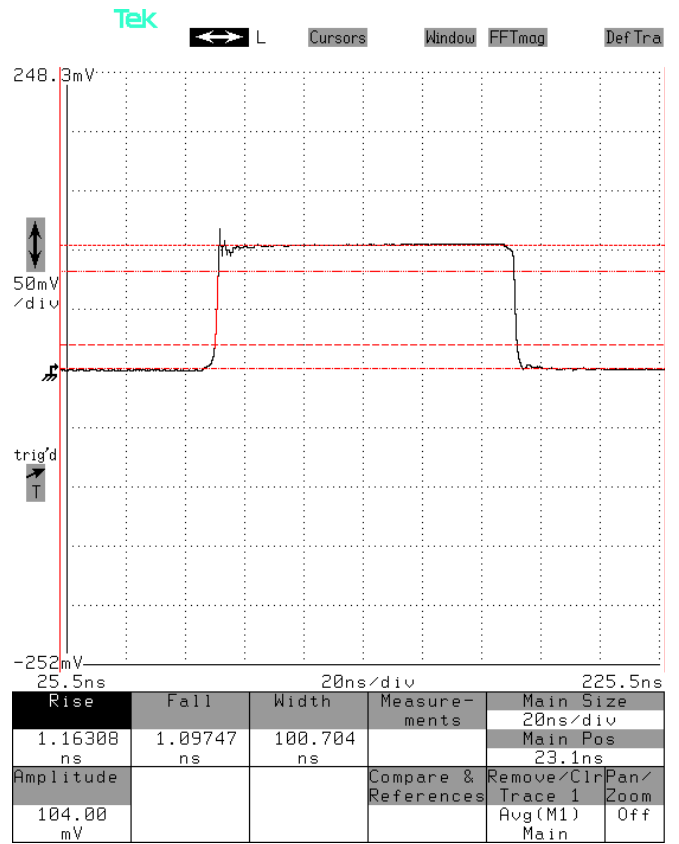
5 ns/div. 50 V/div (50 mV/div \times 60 dB):



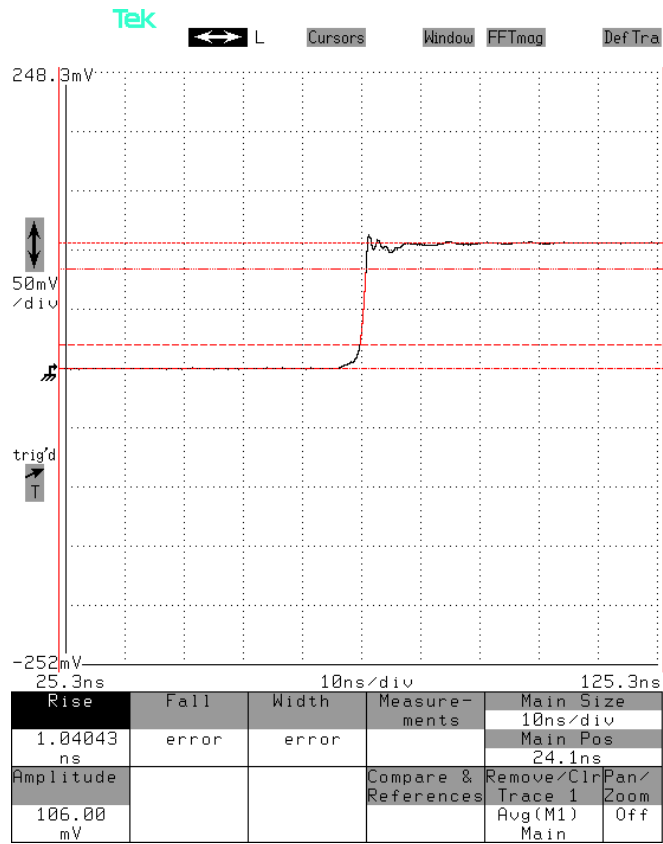
Full pulse at 200 kHz, 50 ns, > -100V,
 10 ns/div. 50 V/div (50 mV/div × 60 dB):



Full pulse at 200 kHz, 100 ns, > +100V,
 20 ns/div. 50 V/div (50 mV/div × 60 dB):



Leading edge at 20 kHz, 500 ns, +100V,
10 ns/div. 50 V/div (50 mV/div × 60 dB):



Trailing edge at 20 kHz, 500 ns, +100V,
10 ns/div. 50 V/div (50 mV/div × 60 dB):

