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BOX 5120, LCD MERIVALE  
OTTAWA, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVR-E3A-B-W3-PN-AC00  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 14474  
Date: October 22, 2024

Output Amplitude: up to  $\pm 100V$ , to 50 $\Omega$   
Pulse Width (FWHM): 3 ns to 5 us  
Rise Time (20%-80%):  $\leq 1.5$  ns  
Fall Time (80%-20%):  $\leq 2.5$  ns  
PRF: 1 Hz - 200 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications:  $\rightarrow$

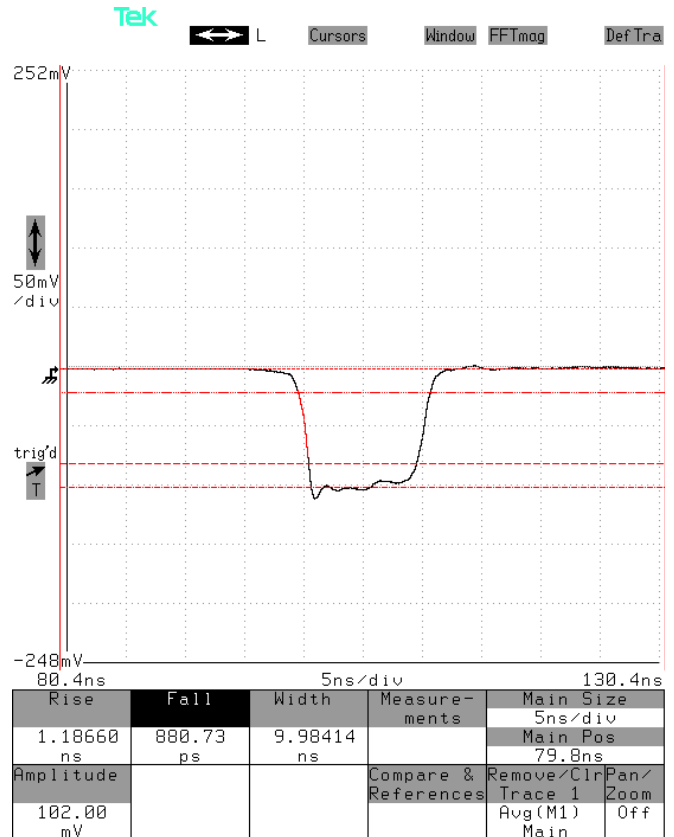
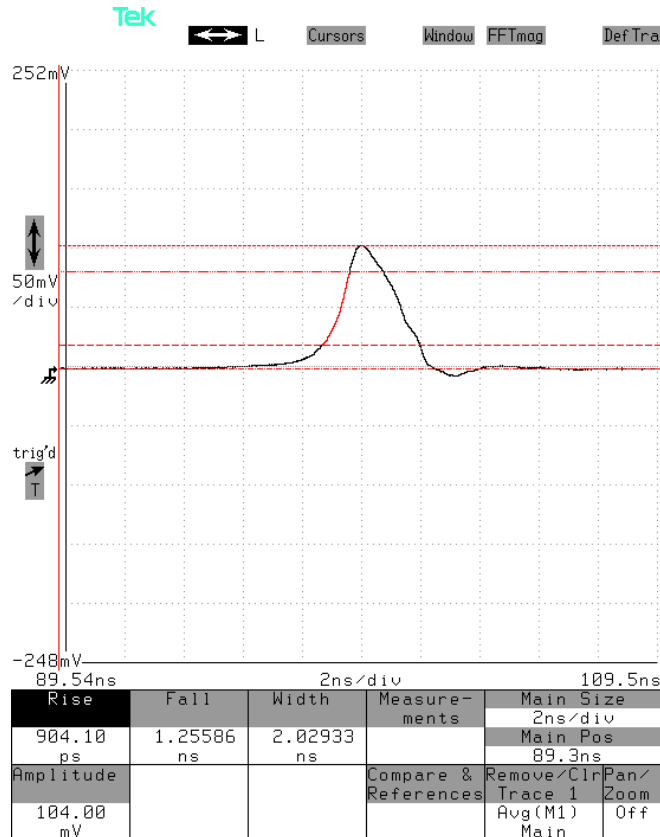
Test Waveforms

100 kHz, < 3 ns, > +100V,

10 kHz, 10 ns, > -100V,

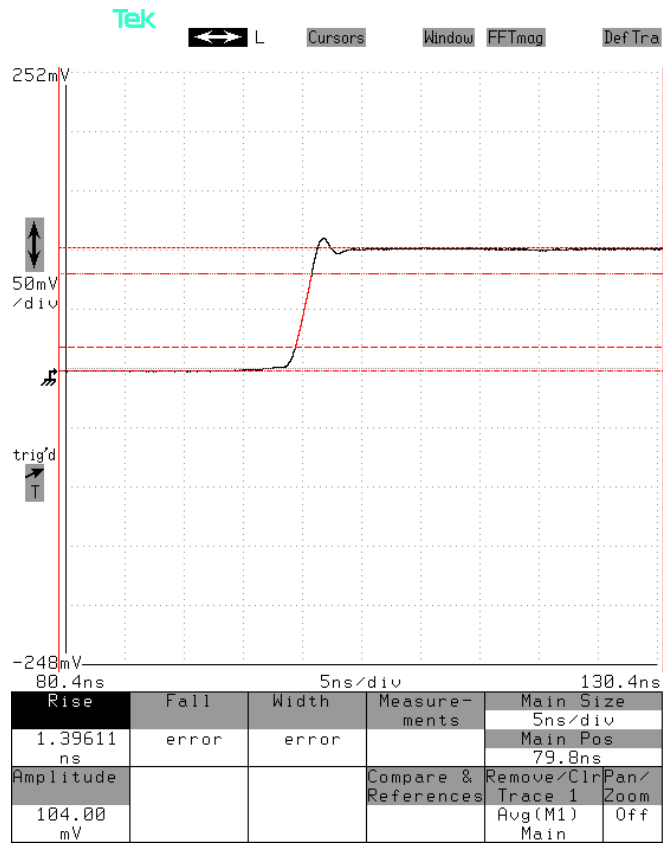
2 ns/div. 50 V/div (50 mV/div  $\times$  60 dB):

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



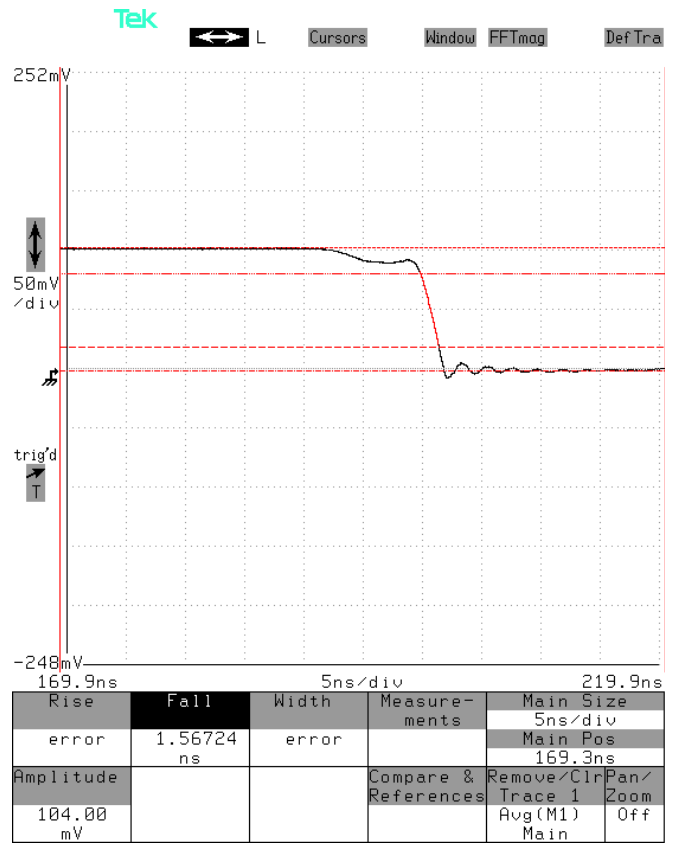
20 kHz, 100 ns,  $\geq +100V$ , leading edge,

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



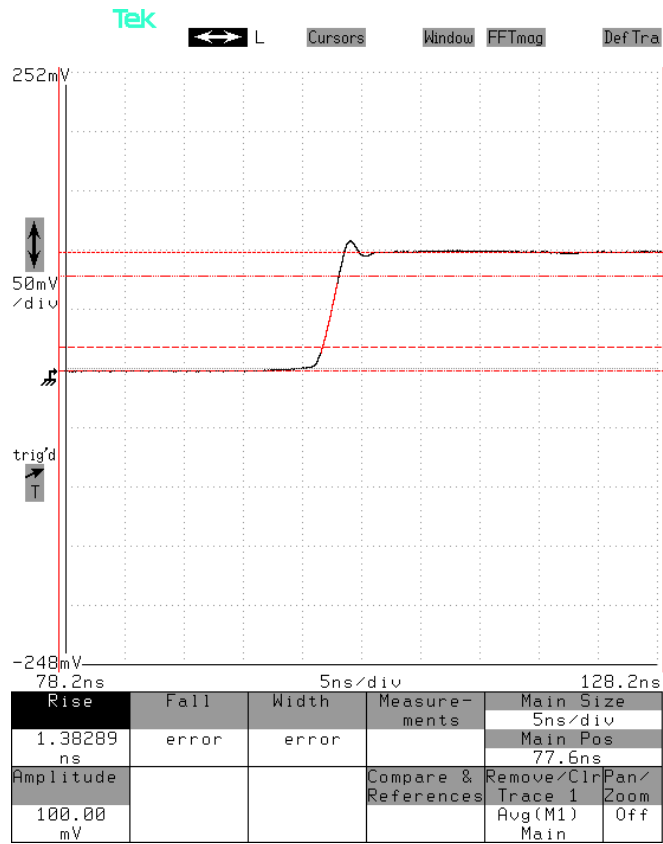
20 kHz, 100 ns,  $\geq +100V$ , trailing edge,

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



2 kHz, 5 us, +100V, leading edge,

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



2 kHz, 5 us, -100V, full pulse,

1 us/div. 50 V/div (50 mV/div × 60 dB):

