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BOX 5120, LCD MERIVALE  
OTTAWA, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVR-E3A-B-PN-W1-CC1-AC03  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 14534  
Date: January 28, 2025

Output Amplitude: up to  $\pm 100V$ , to  $50\Omega$   
Pulse Width (FWHM): 3 – 500 ns  
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: →

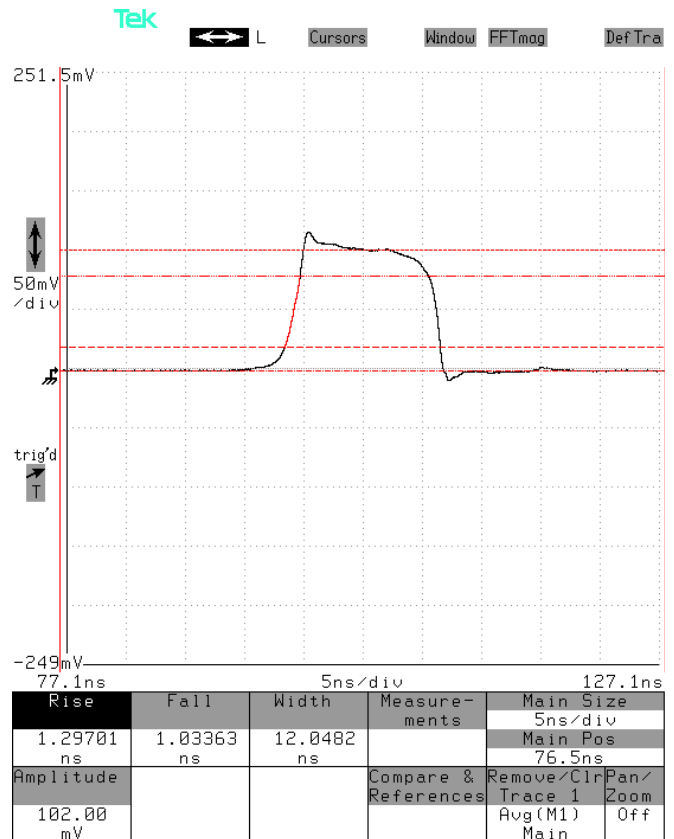
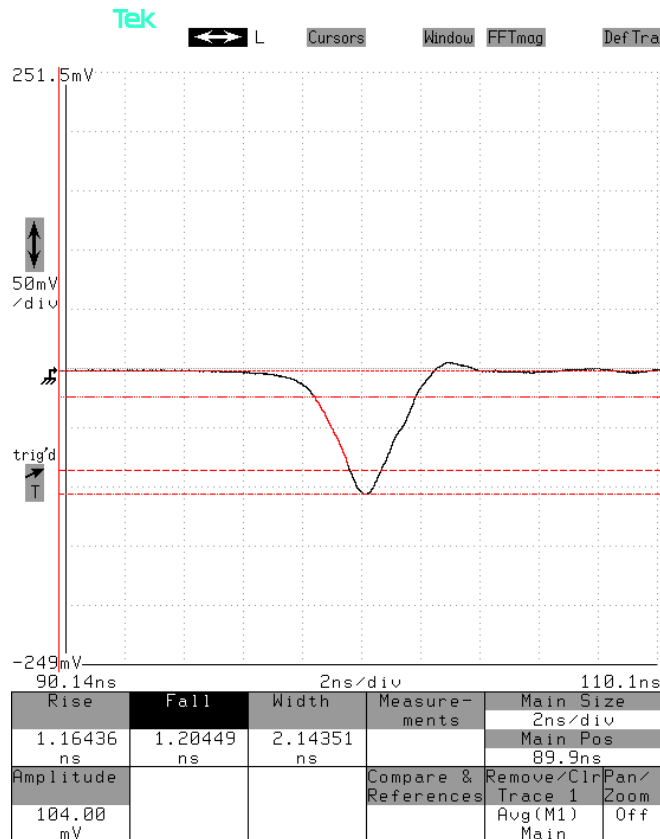
Test Waveforms

10 kHz, < 3 ns, -100V,

10 kHz, 12 ns, +100V.

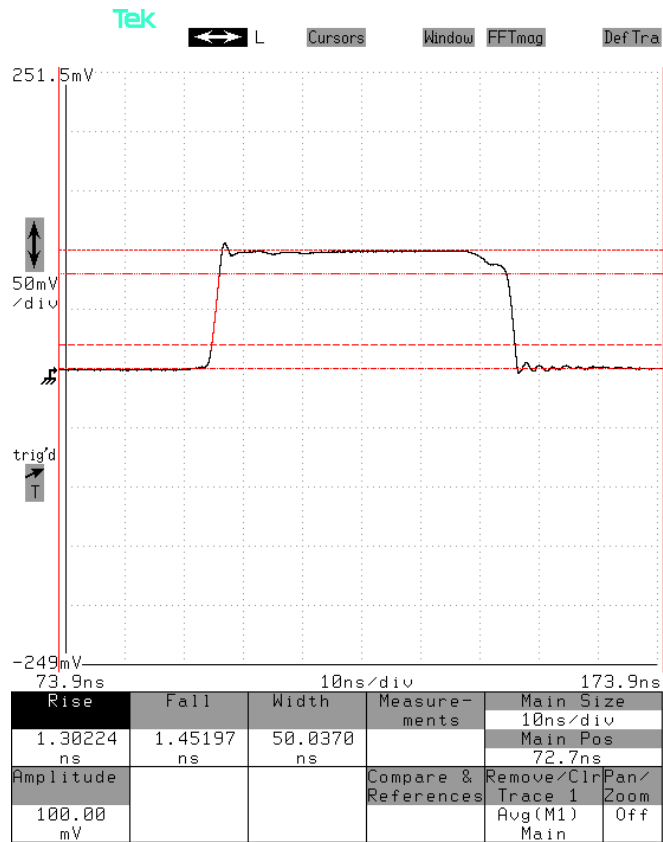
2 ns/div. 50 V/div (50 mV/div  $\times$  60 dB):

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



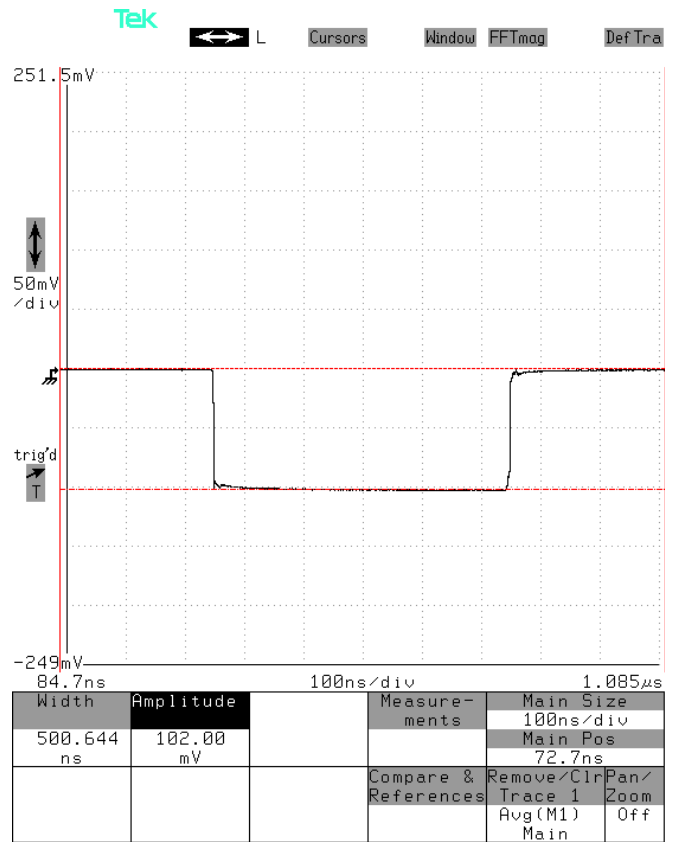
10 kHz, 50 ns, +100V, full pulse,

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

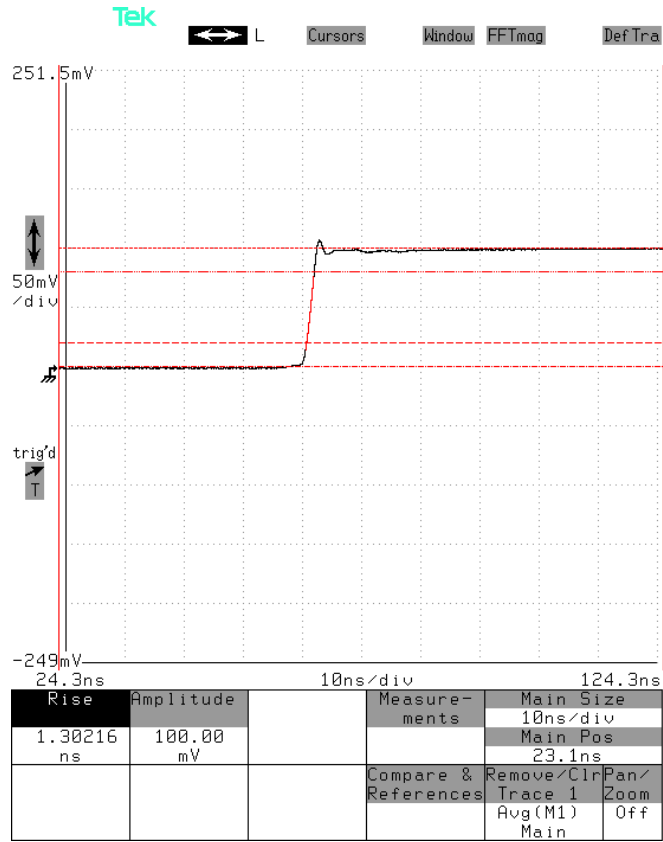


10 kHz, 500 ns, -100V, full pulse,

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



20 kHz, 200 ns, +100V, leading edge,  
 10 ns/div. 50 V/div (50 mV/div × 60 dB):



20 kHz, 200 ns, +100V, trailing edge,  
 10 ns/div. 50 V/div (50 mV/div × 60 dB):

