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BOX 5120, LCD MERIVALE  
OTTAWA, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVR-E3-B-W3-PN-OT-AK2-AK8-X1-X2  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 14422  
Date: April 23, 2024

Output Amplitude: up to ±100V, to 50Ω  
Pulse Width (FWHM): 1 ns to 5 us  
Rise Time (20%-80%): ≤ 0.5 ns  
Fall Time (80%-20%): ≤ 1.5 ns  
PRF: 1 Hz - 100 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

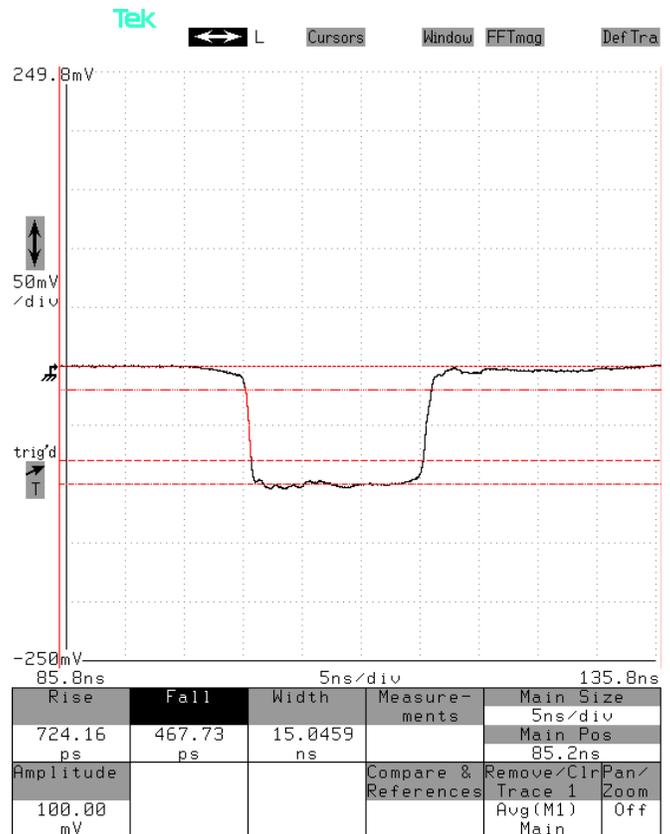
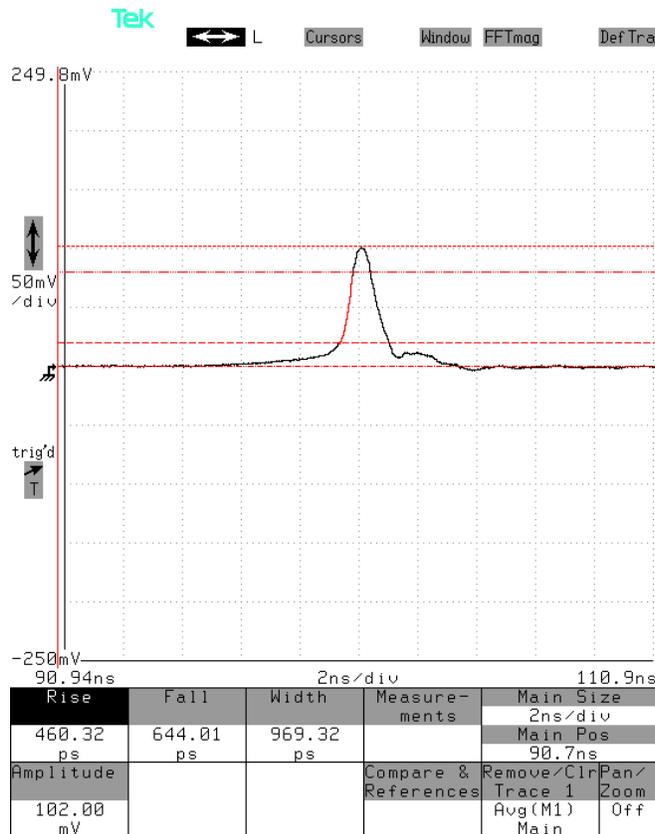
Test Waveforms

10 kHz, ≤ 1 ns, ≥ +100V,

10 kHz, 15 ns, ≥ -100V,

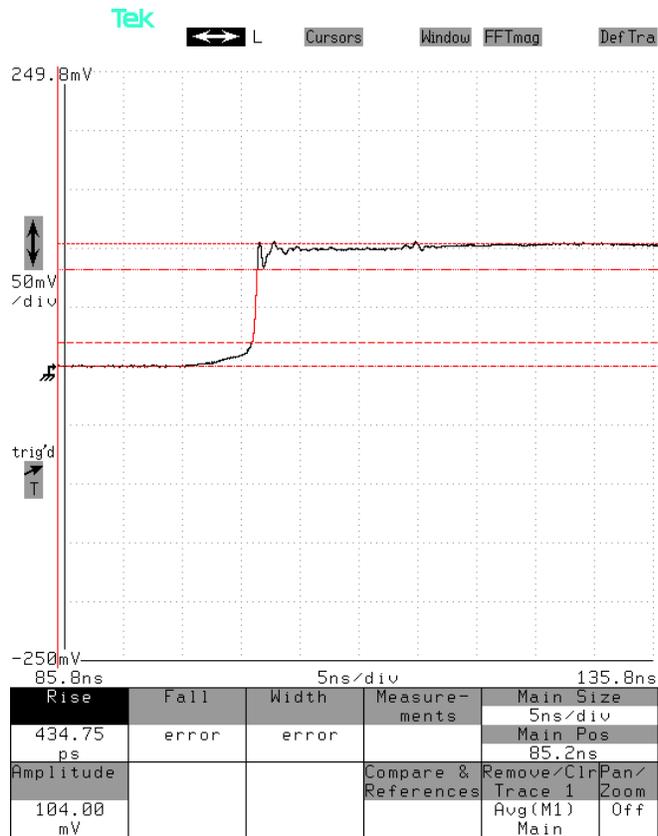
2 ns/div. 50 V/div (50 mV/div × 60 dB):

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



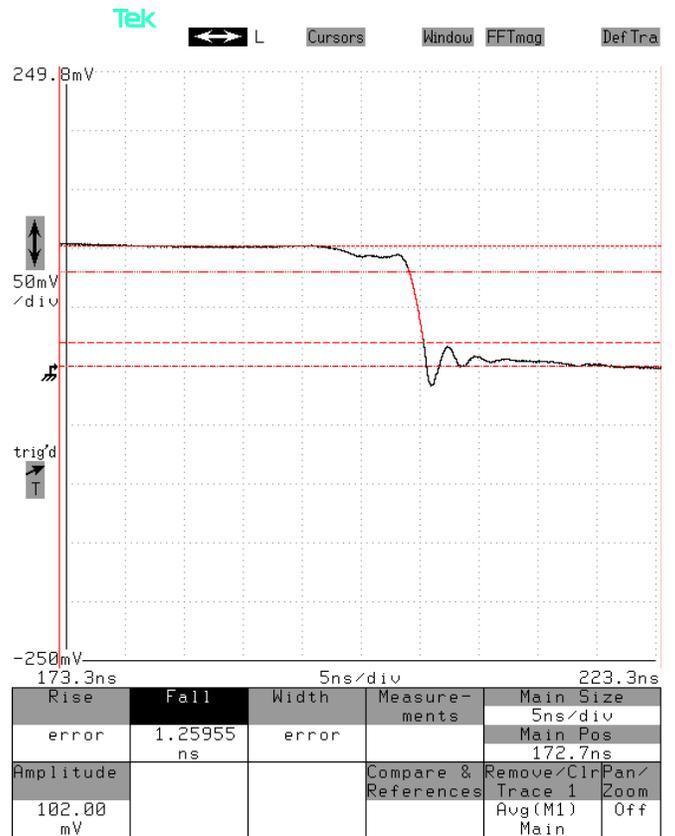
10 kHz, 100 ns,  $\geq +100V$ , leading edge,

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



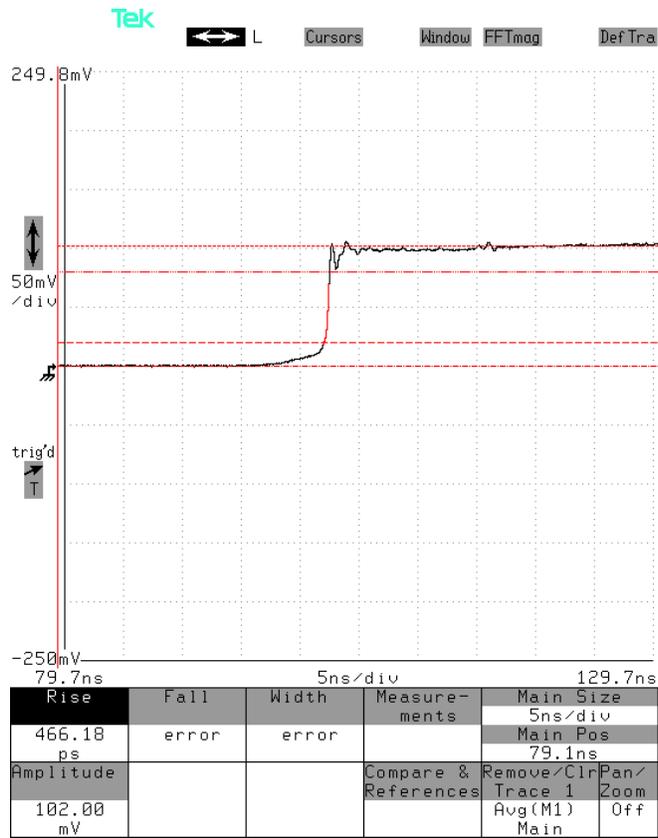
10 kHz, 100 ns,  $\geq +100V$ , trailing edge,

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



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

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



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

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

