



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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☒ BOX 5120, LCD MERIVALE  
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## PERFORMANCE CHECKSHEET

Model: AVR-E3-B-P-W3-AK2-AK8-R5-X4  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13258  
Date: April 7, 2015

Output Amplitude: up to +100V, to 50Ω  
Pulse Width (FWHM): 1 ns to 5 us  
Rise Time (20%-80%): ≤ 500 ps  
Fall Time (80%-20%): ≤ 1 ns  
PRF: 1 Hz - 20 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

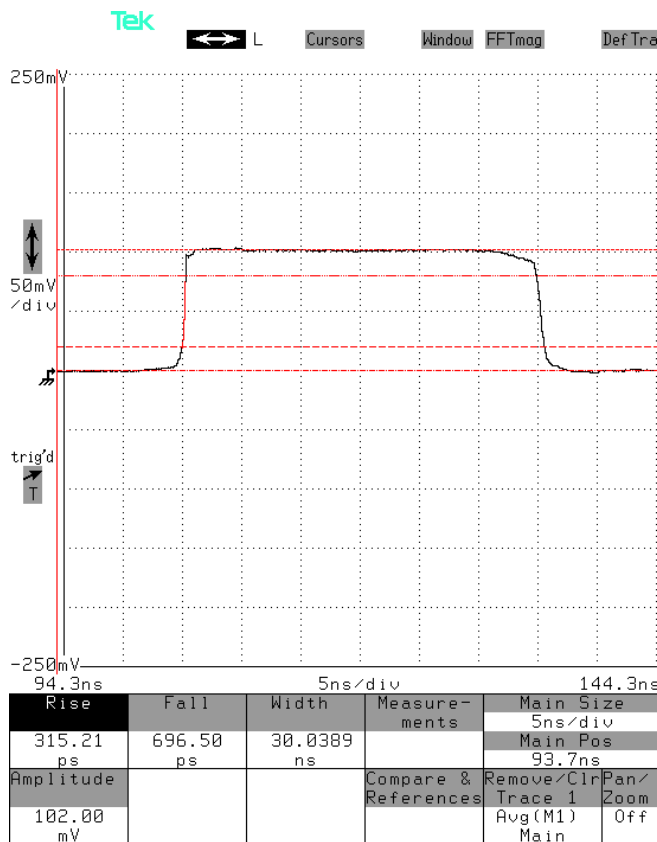
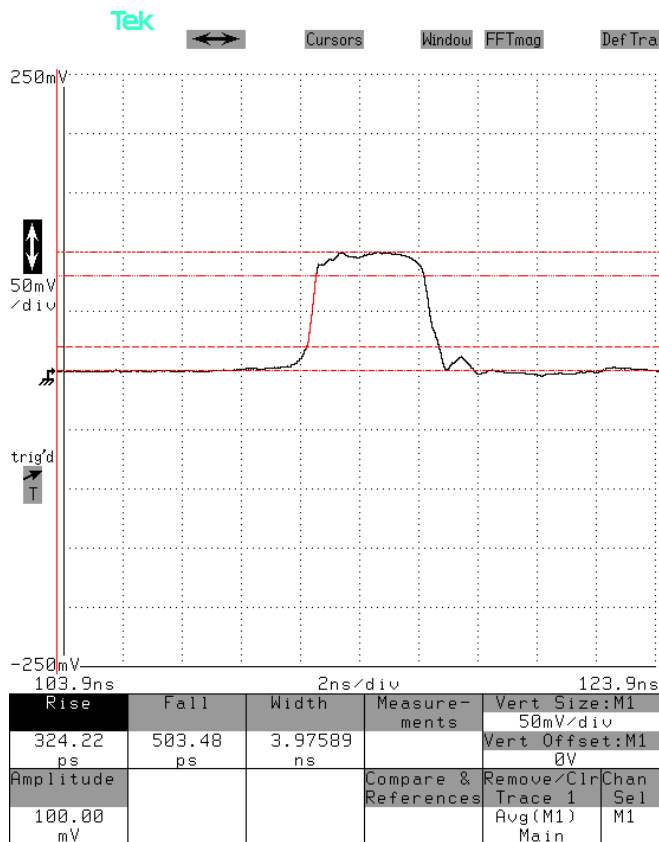
### Test Waveforms

20 kHz, 4 ns, +100V,

20 kHz, 30 ns, +100V,

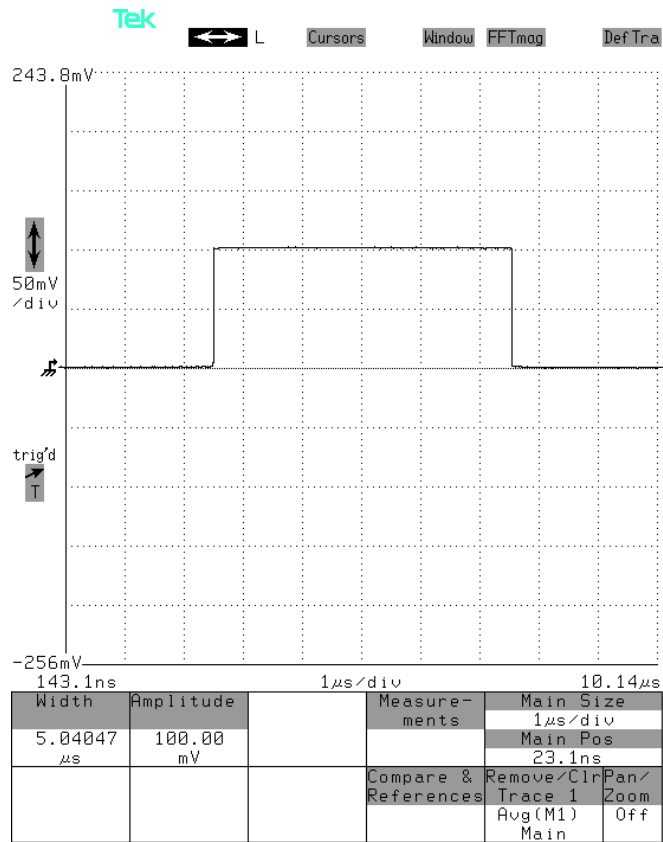
2 ns/div. 50 V/div (50 mV/div × 60 dB):

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



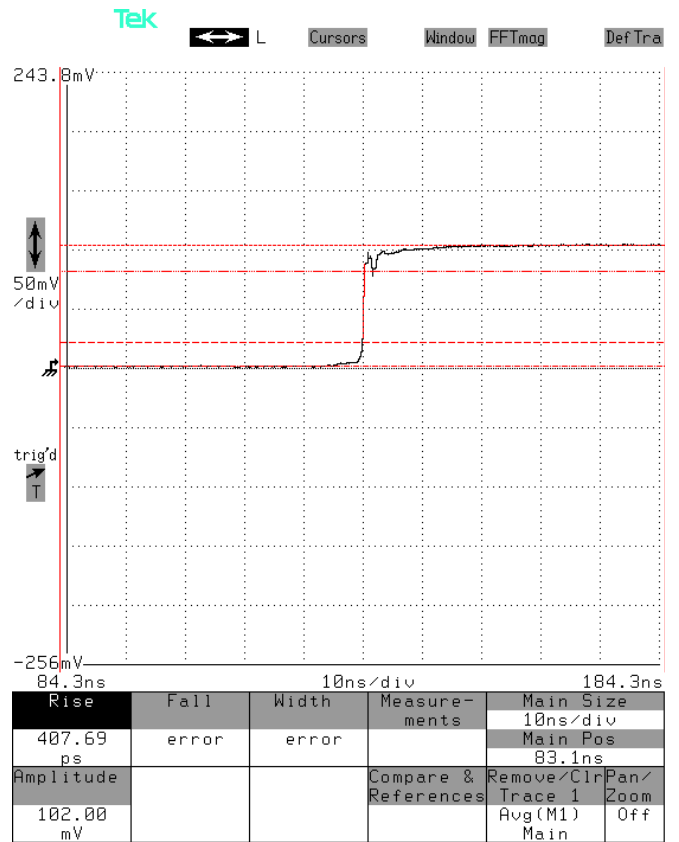
10 kHz, 5 us, +100V,

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



20 kHz, 2 us, +100V, rising edge shown,

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



20 kHz, 2 us, +100V, falling edge shown,

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

