



# 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-W1-AK2-AK8-ATA3-R5  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13362  
Date: January 28, 2016

Output Amplitude: up to +100V, to 50Ω  
Pulse Width (FWHM): 1 to 200 ns  
Rise Time (20%-80%): ≤ 500 ps  
Fall Time (80%-20%): ≤ 1 ns  
PRF: 1 Hz - 100 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz

Basic specifications: →

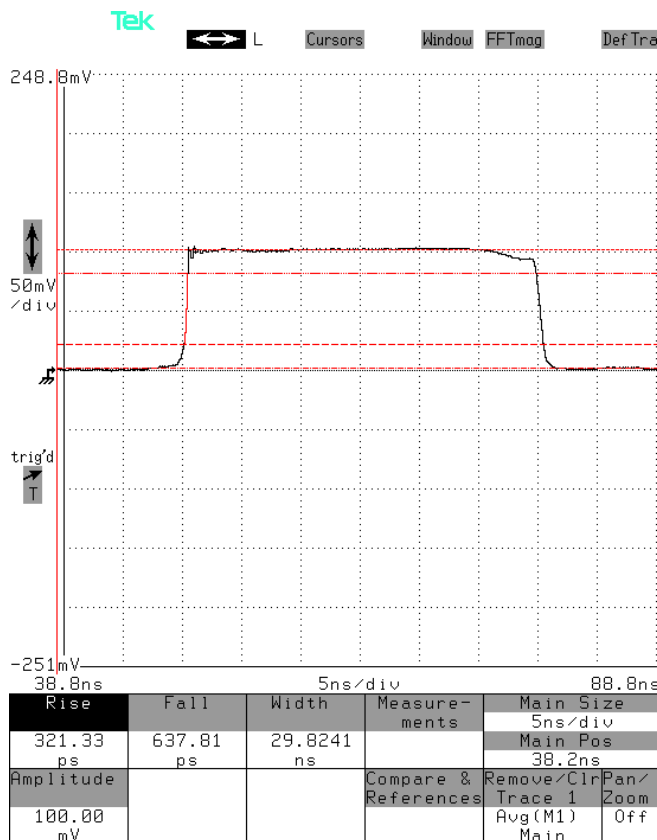
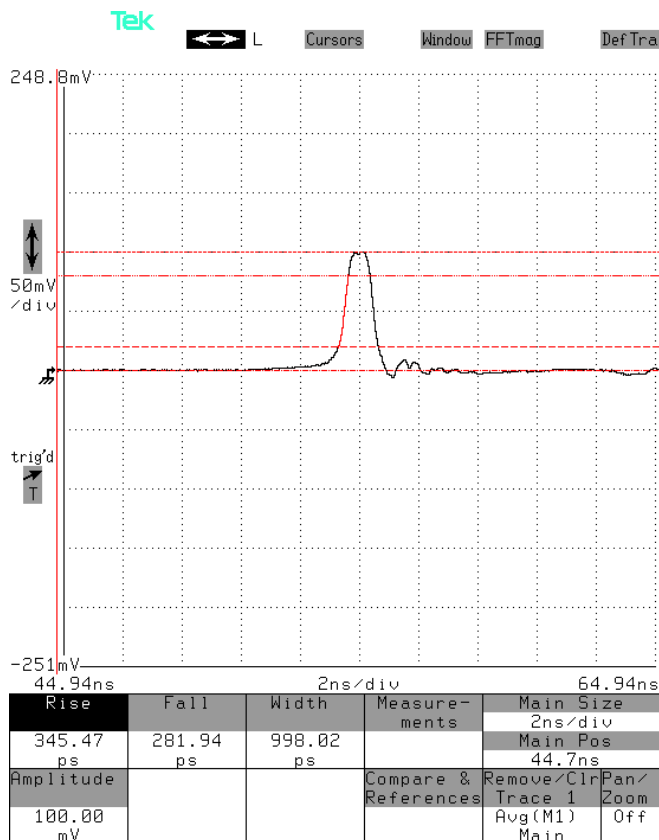
### Test Waveforms

100 kHz, 1 ns, +100V,

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

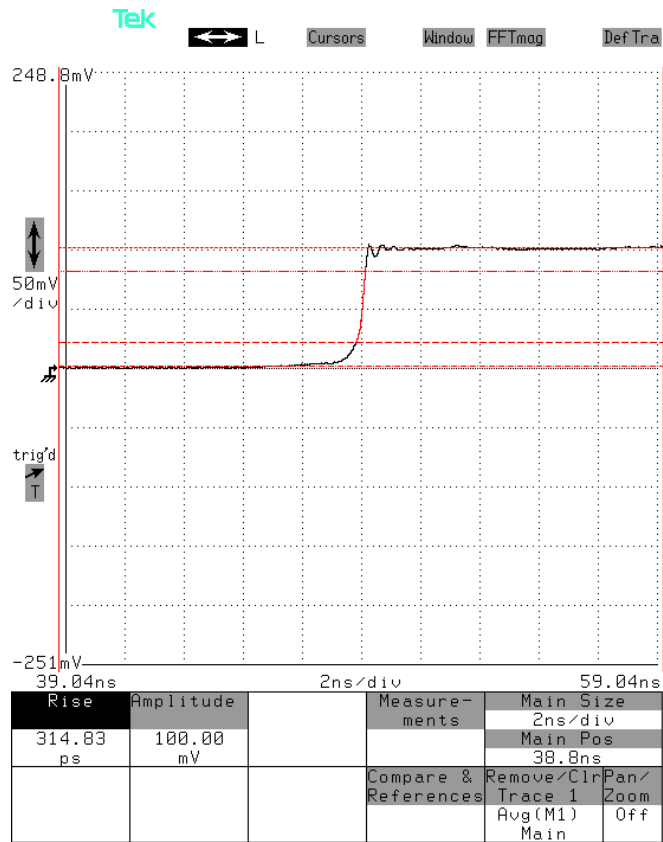
100 kHz, 30 ns, +100V,

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



10 kHz, 200 ns, +100V, rising edge shown,

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



10 kHz, 200 ns, +100V, falling edge shown,

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

