



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVR-E3-B-P-AK2-AK8  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13757  
Date: July 10, 2018

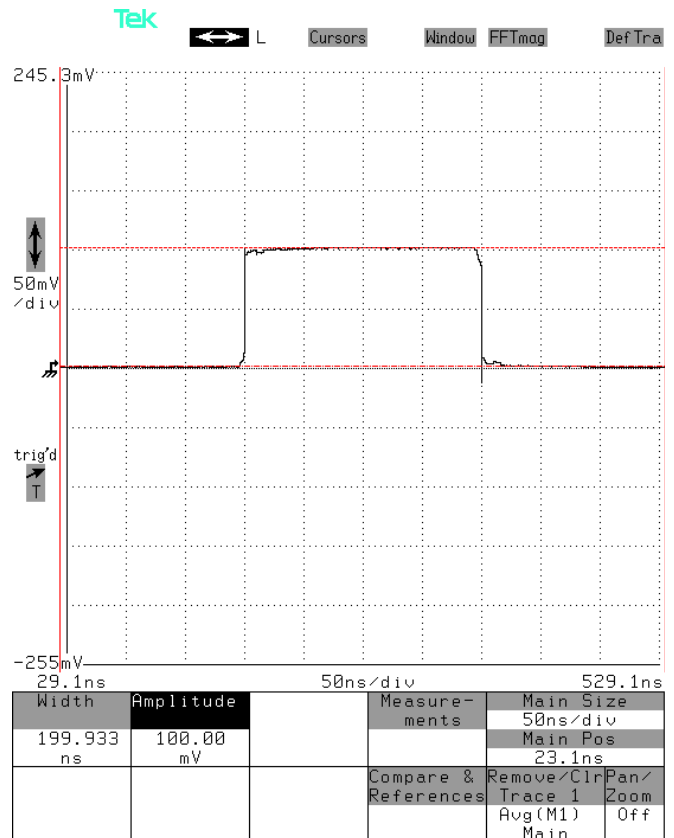
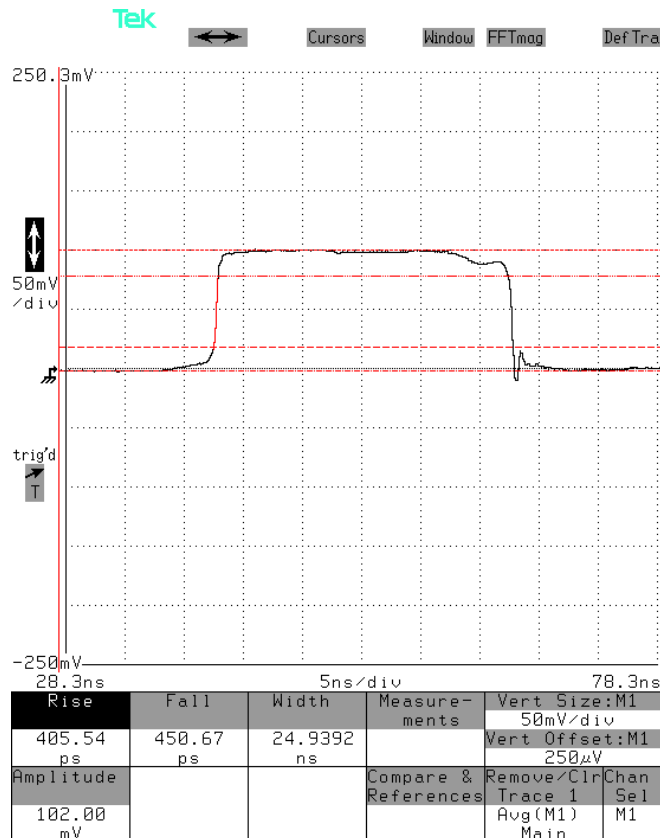
Output Amplitude: up to +100V, to 50Ω  
Pulse Width (FWHM): 10 ns – 200 ns  
Rise Time (20%-80%): ≤ 0.5 ns  
Fall Time (80%-20%): ≤ 1 ns  
PRF: 1 Hz – 100 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

### Test Waveforms

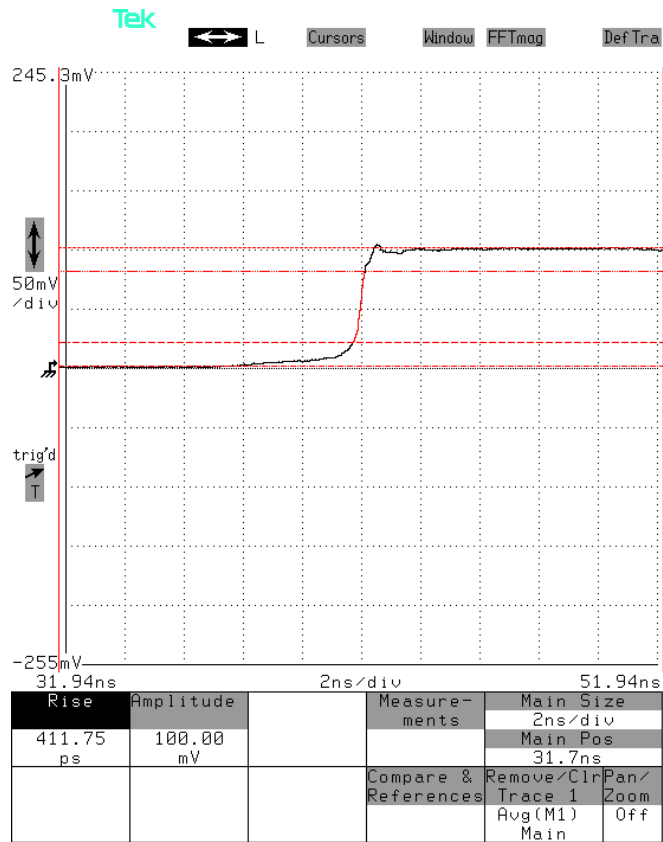
Full pulse at 100 kHz, 25 ns, +100V,  
5 ns/div. 50 V/div (50 mV/div × 60 dB):

Full pulse at 100 kHz, 200 ns, +100V,  
50 ns/div. 50 V/div (50 mV/div × 60 dB):



Leading edge at 100 kHz, 200 ns, +100V,

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



Trailing edge at 100 kHz, 200 ns, +100V,

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

