



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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☒ BOX 5120, LCD MERIVALE  
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## PERFORMANCE CHECKSHEET

Model: AVR-E3A-C-N-AC22  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12842  
Date: July 20, 2012

Output Amplitude: up to -100V, to 50Ω  
Pulse Width (FWHM): 10 – 500 ns  
Rise Time (20%-80%): ≤ 1.2 ns  
Fall Time (80%-20%): ≤ 2 ns (3 ns if PW<15ns)  
PRF: 20 Hz – 200 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

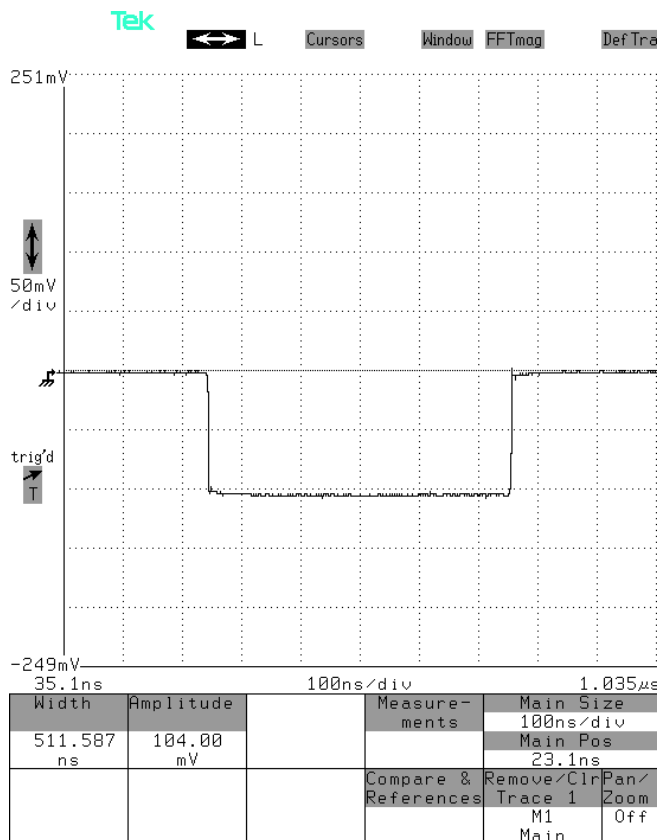
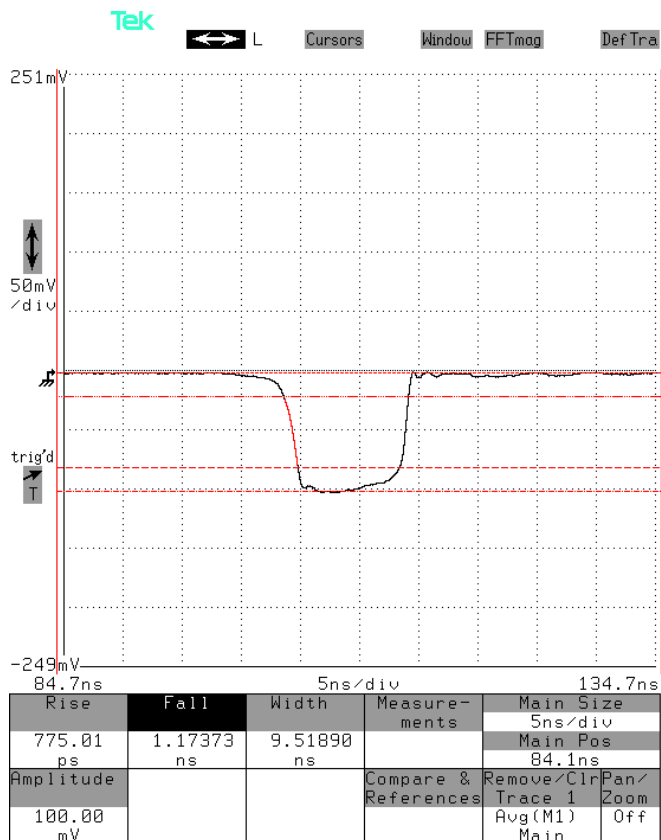
### Test Waveforms

Full pulse at 20 kHz, 10 ns, -100V,

5 ns/div. 50 V/div (50 mV × 60 dB):

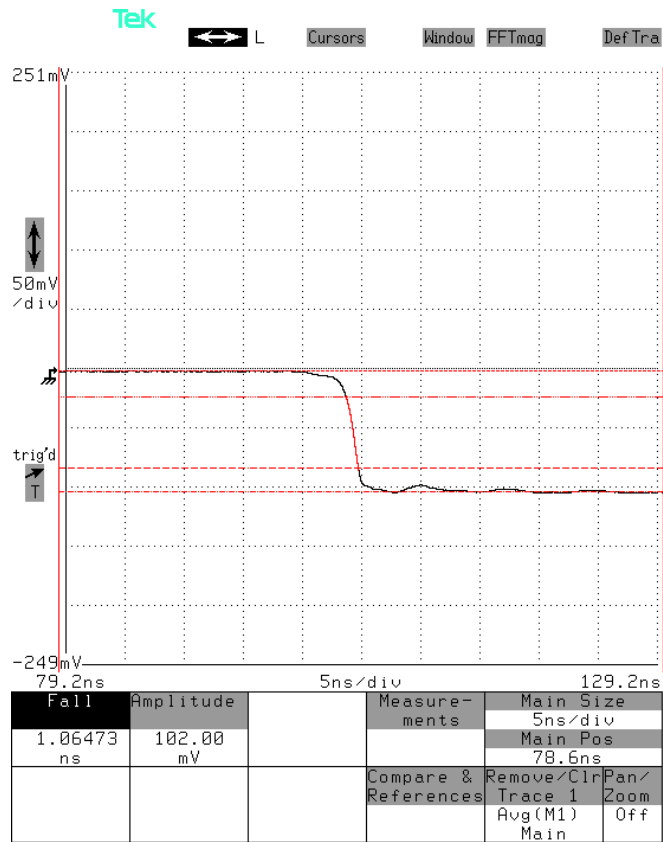
Full pulse at 20 kHz, 500 ns, -100V,

100 ns/div. 50 V/div (50 mV × 60 dB):



Leading edge at 20 kHz, 500 ns, -100V,

5 ns/div. 50 V/div (50 mV × 60 dB):



Trailing edge at 20 kHz, 500 ns, -100V,

5 ns/div. 50 V/div (50 mV × 60 dB):

