



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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☒ BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H4

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## PERFORMANCE CHECKSHEET

Model: AVR-D2-B  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 9028 (repair)  
Date: October 6, 2010

Output Amplitude: 0 to ±30V, and ±2V  
Pulse Width (FWHM): 0.2 – 20 us, and 15 ns  
Rise Time (20%-80%): ≤ 1 ns  
Fall Time (80%-20%): ≤ 1 ns  
PRF: 0.1 Hz - 50 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

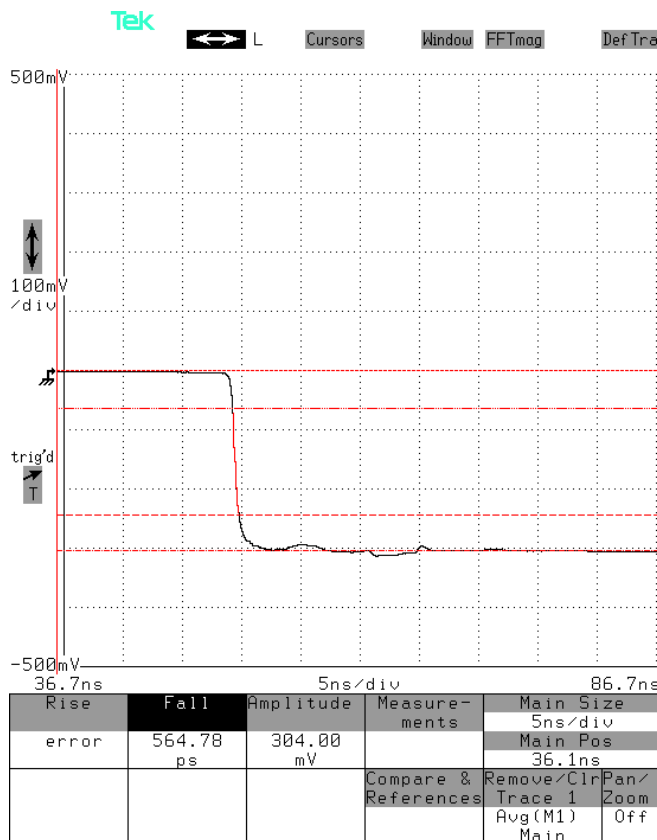
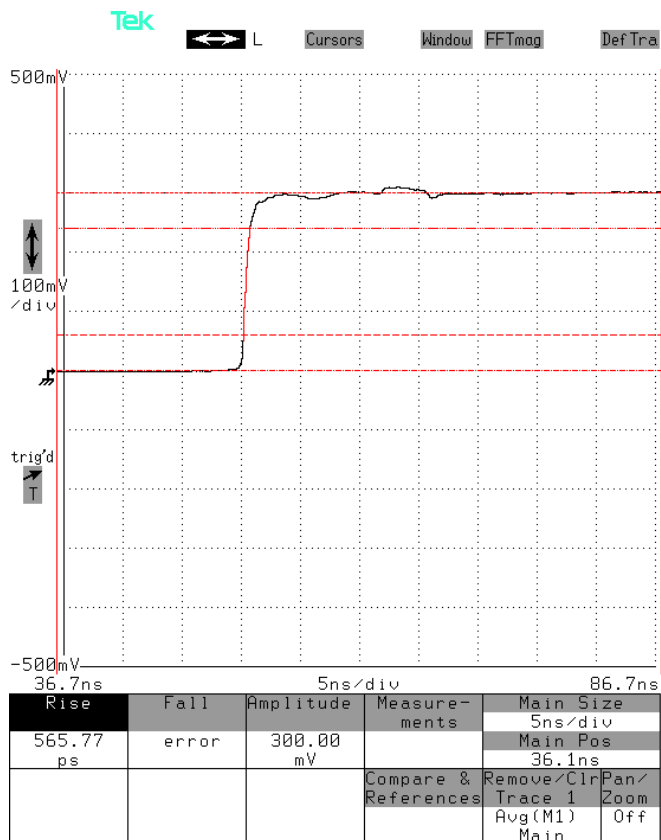
### Test Waveforms

CH1 leading edge at 10 kHz, 200 ns, +30V,

5 ns/div. 10 V/div (100 mV × 40 dB):

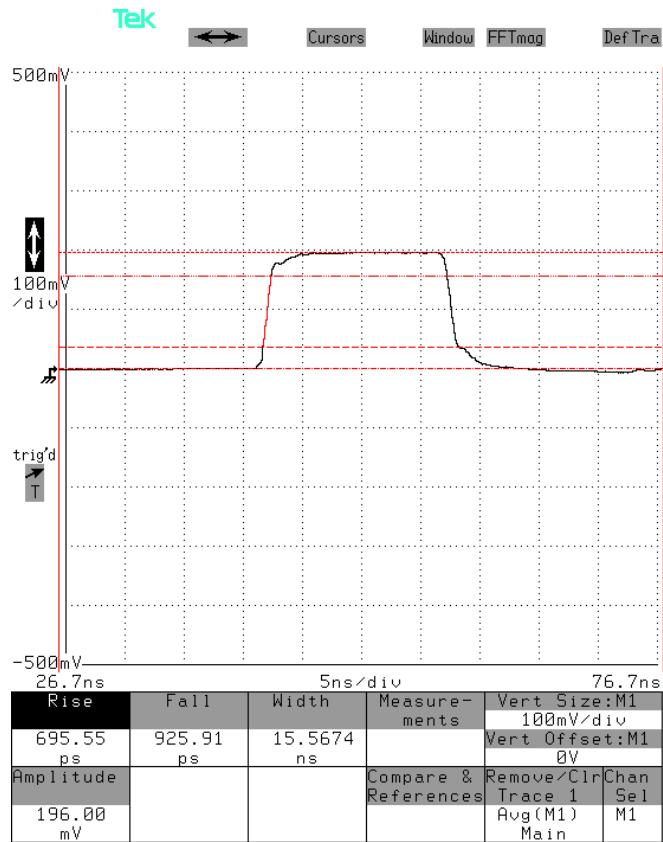
CH1 leading edge at 10 kHz, 200 ns, -30V,

5 ns/div. 10 V/div (100 mV × 40 dB):



CH2 full pulse at 10 kHz, +2V,

5 ns/div. 1 V/div (100 mV × 20 dB):



CH2 full pulse at 10 kHz, -2V,

5 ns/div. 1 V/div (100 mV × 20 dB):

