



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVMR-2D-B-PN-AK1-AK8-AC22  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13677  
Date: February 28, 2018

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

Basic specifications: →

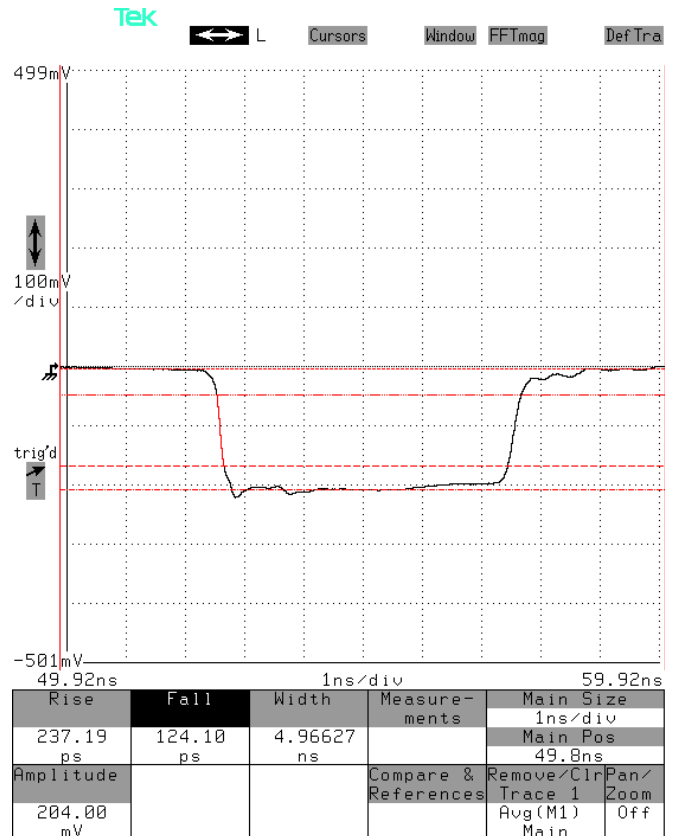
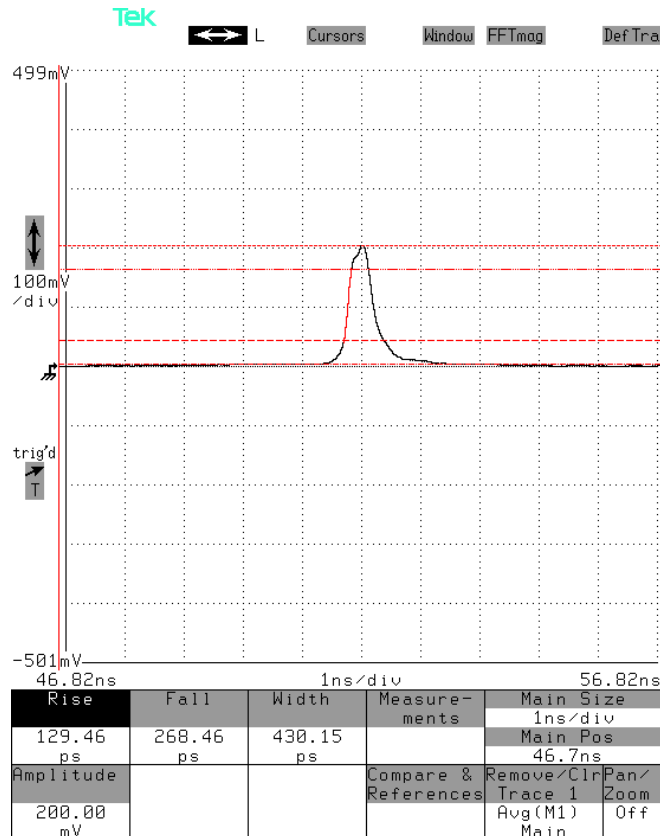
### Test Waveforms

1 MHz, < 0.5 ns, +20V,

1 MHz, 5 ns, -20V,

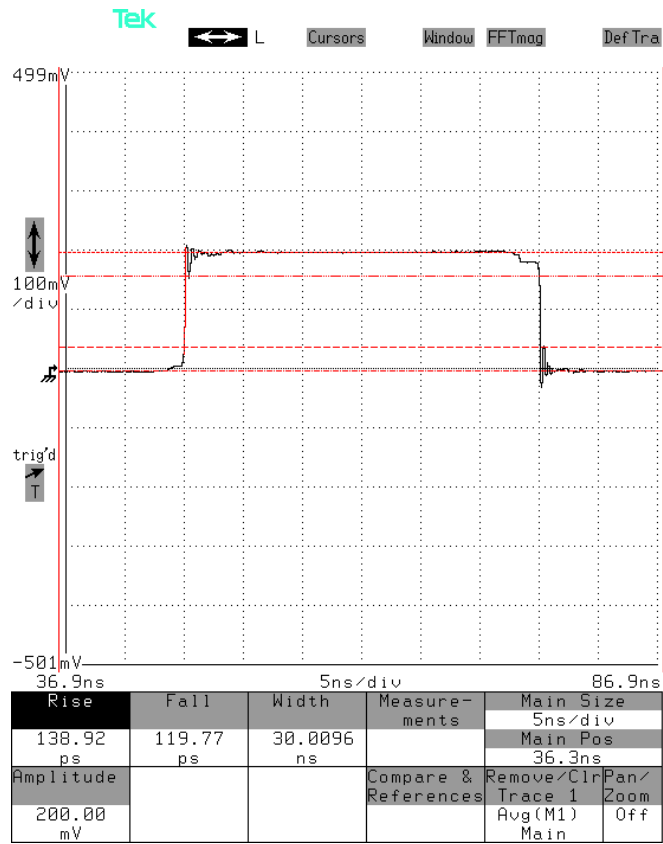
1 ns/div. 10 V/div (100 mV/div × 40 dB):

1 ns/div. 10 V/div (100 mV/div × 40 dB):



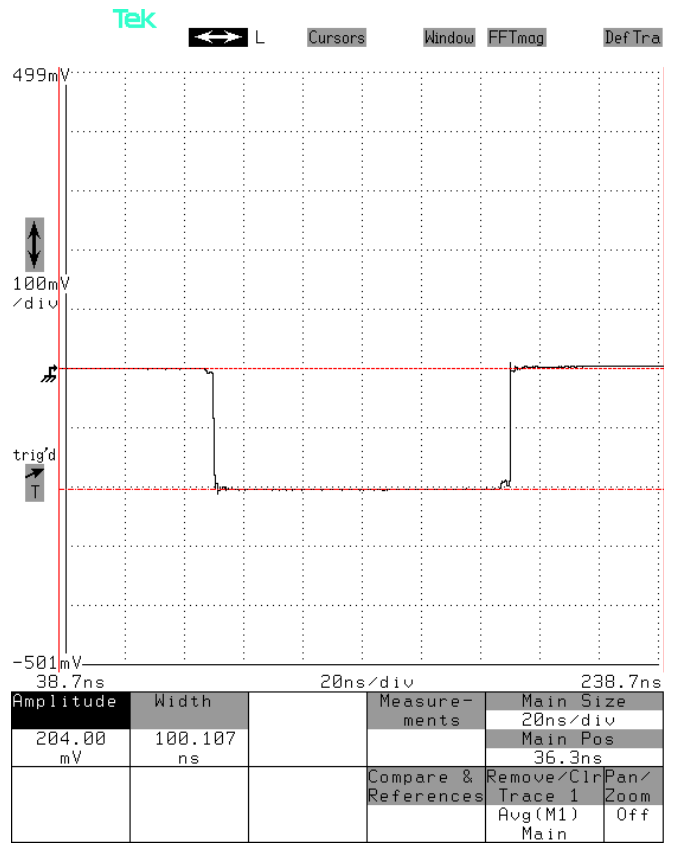
1 MHz, 30 ns, +20V,

5 ns/div. 10 V/div (100 mV/div × 40 dB):

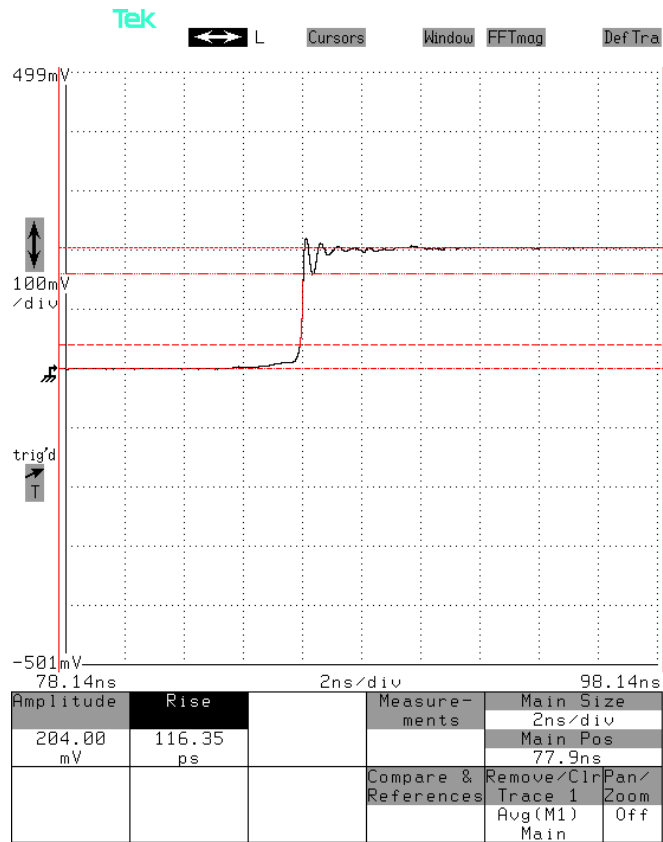


100 kHz, 100 ns, -20V,

20 ns/div. 10 V/div (100 mV/div × 40 dB):



100 kHz, 200 ns, +20V, leading edge,  
 2 ns/div. 10 V/div (100 mV/div × 40 dB):



100 kHz, 200 ns, +20V, trailing edge,  
 2 ns/div. 10 V/div (100 mV/div × 40 dB):

