



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVMP-4-B-PN-EA-AK1  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 11825  
Date: September 24, 2007

Output Amplitude: 0 to ±10V, to 50Ω  
Pulse Width (FWHM): 10 ns – 10 μs  
Rise Time (20%-80%): ≤ 200 ps  
Fall Time (80%-20%): ≤ 200 ps  
PRF: 1 Hz - 1 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

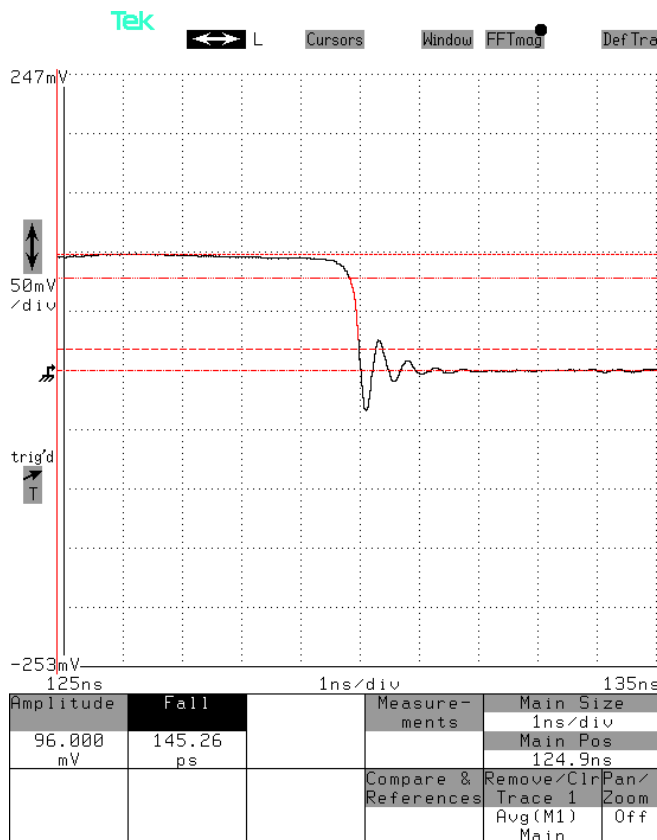
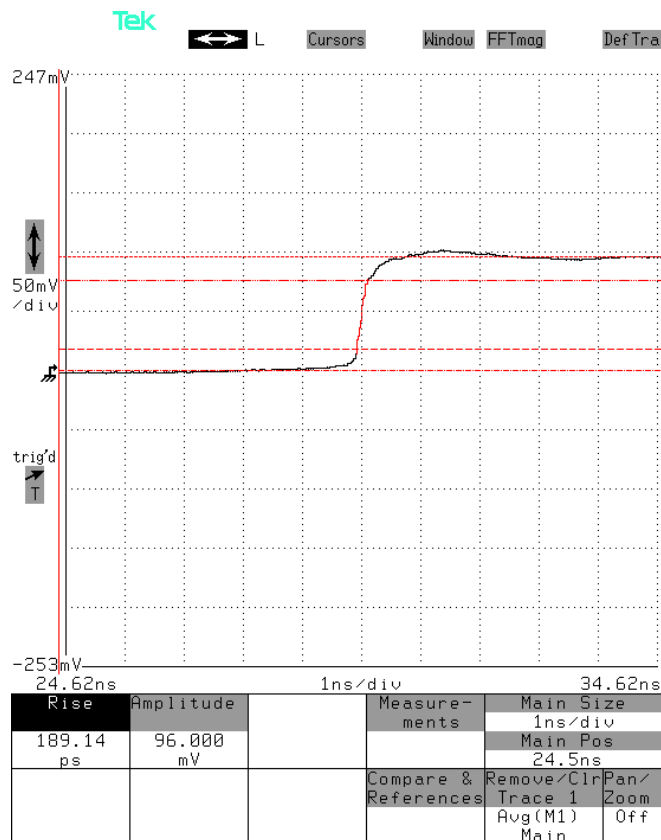
### Test Waveforms

Leading edge at 10 kHz, 100 ns, +10V,

1 ns/div. 5 V/div (50 mV × 40 dB):

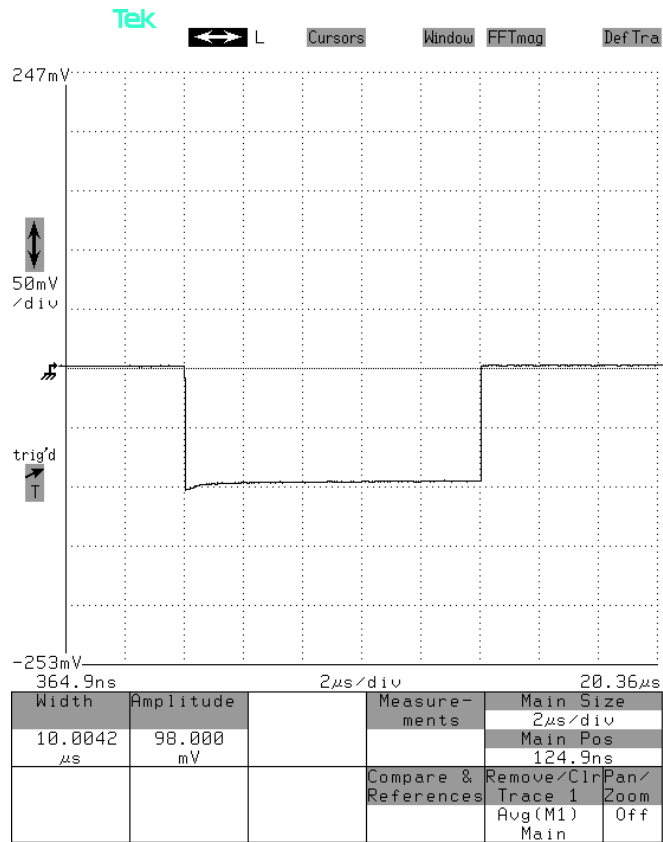
Trailing edge at 10 kHz, 100 ns, +10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



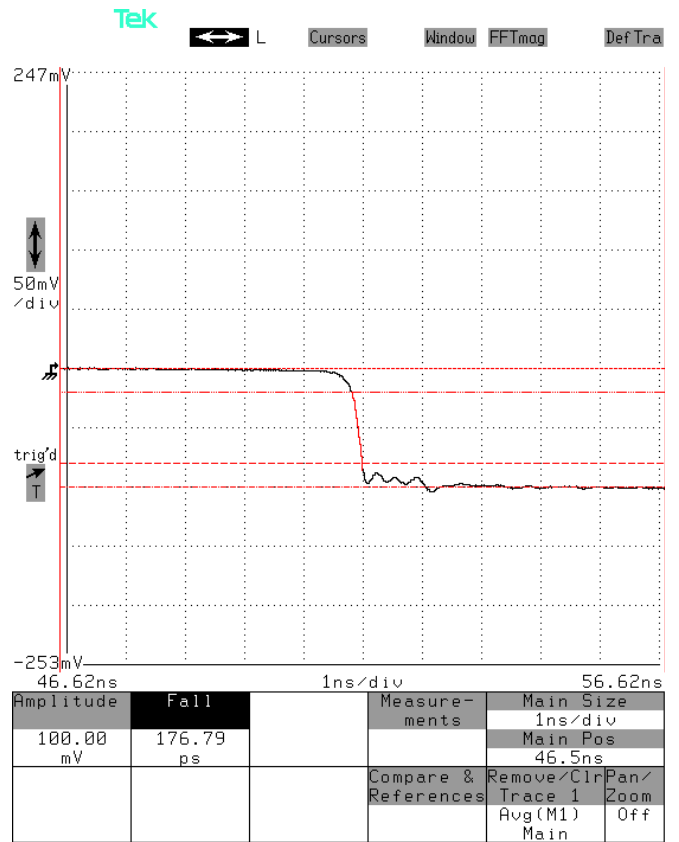
Full pulse at 5 kHz, 10 us, -10V,

2 us/div. 5 V/div (50 mV × 40 dB):



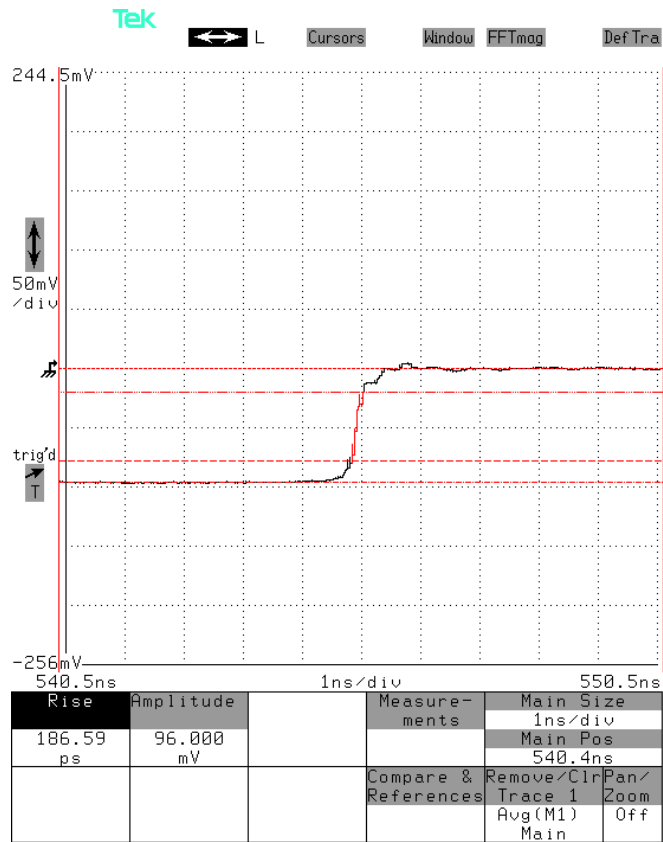
Leading edge at 5 kHz, 10 us, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



Trailing edge at 10 kHz, 500 ns, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



Trailing edge at 5 kHz, 1 us, +10V,

1 ns/div. 5 V/div (50 mV × 40 dB):

