



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVMP-4-B-AK1-AK8-PN-R5-SNLA
Type: Ultra-High-Speed Pulse Generator
S.N.: 12711
Date: September 8, 2011

Output Amplitude: 0 to $\pm 5.5V$, to 50 Ω
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: →

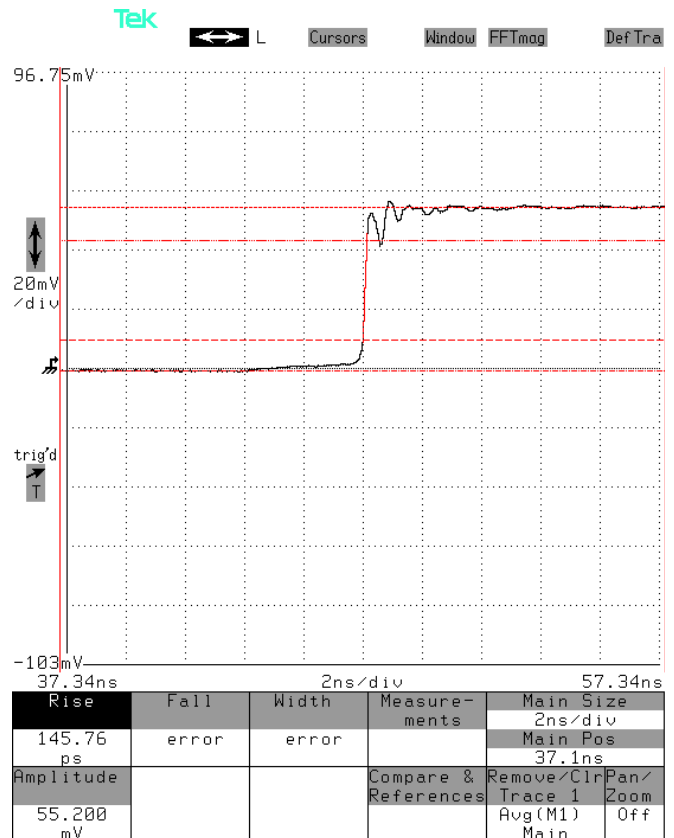
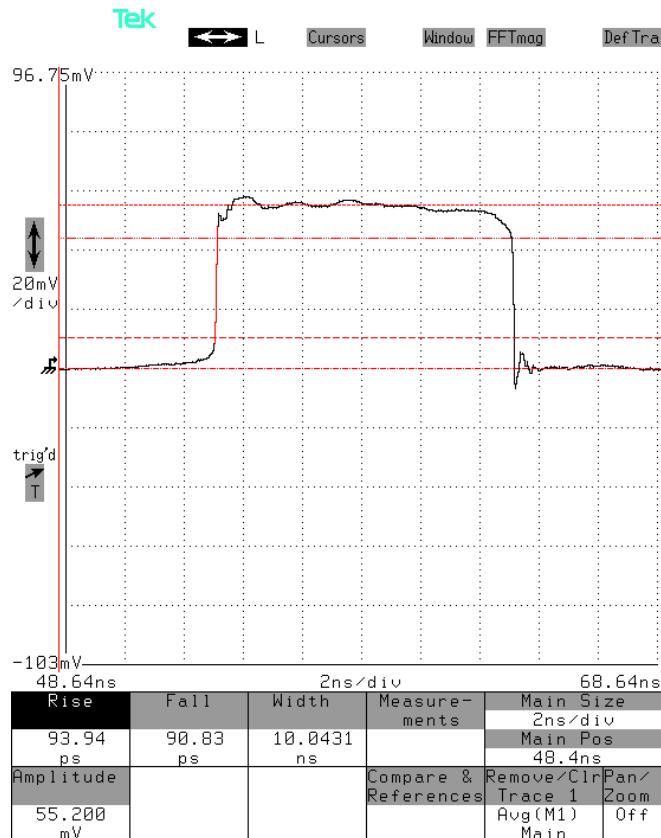
Test Waveforms

Full pulse at 1 MHz, 10 ns, +10V,

2 ns/div. 2 V/div (20 mV \times 40 dB):

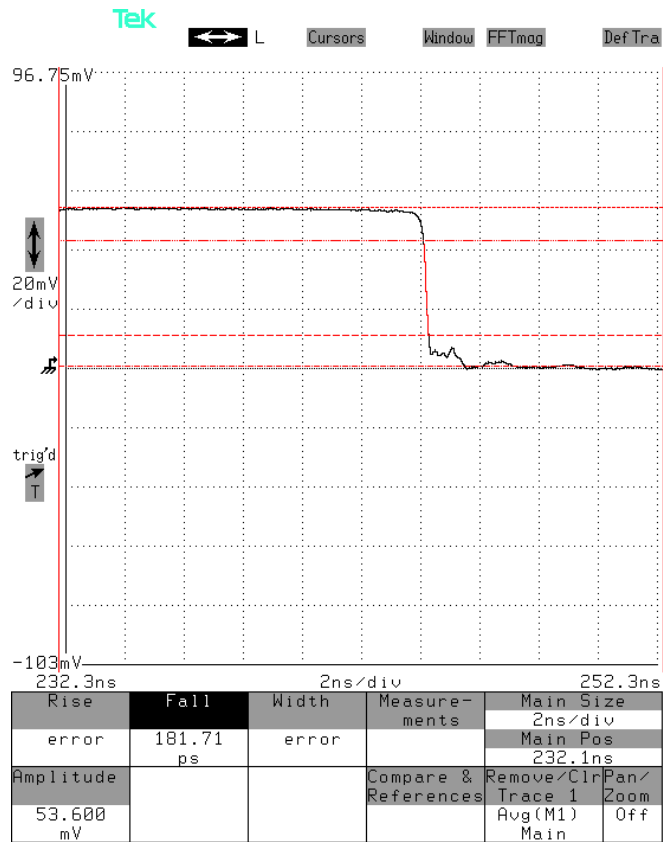
Leading edge at 100 kHz, 200 ns, +10V,

2 ns/div. 2 V/div (20 mV \times 40 dB):



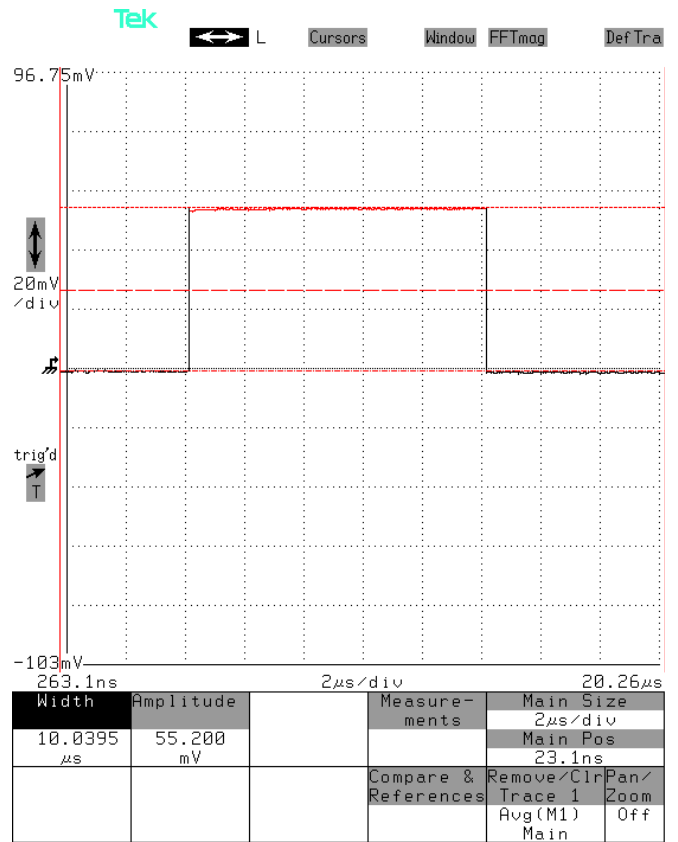
Trailing edge at 100 kHz, 200 ns, +10V,

2 ns/div. 2 V/div (20 mV × 40 dB):



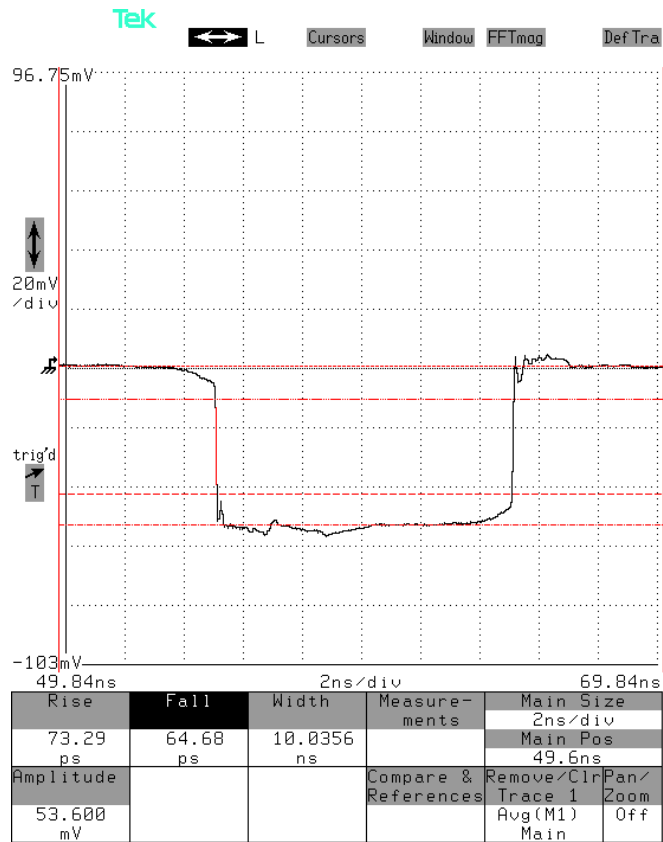
Full pulse at 2 kHz, 10 us, +10V,

2 us/div. 2 V/div (20 mV × 40 dB):



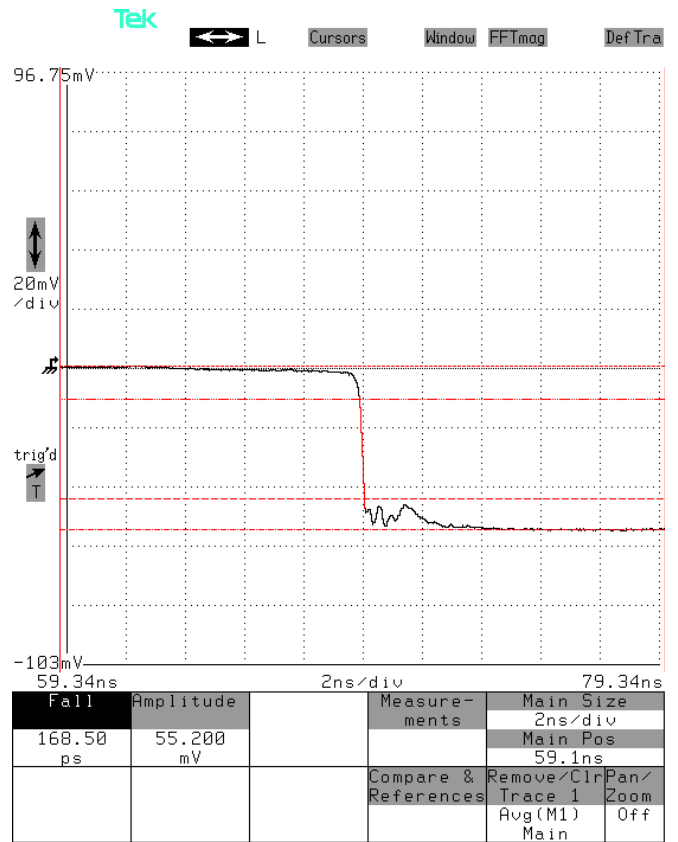
Full pulse at 1 MHz, 10 ns, -10V,

2 ns/div. 2 V/div (20 mV × 40 dB):



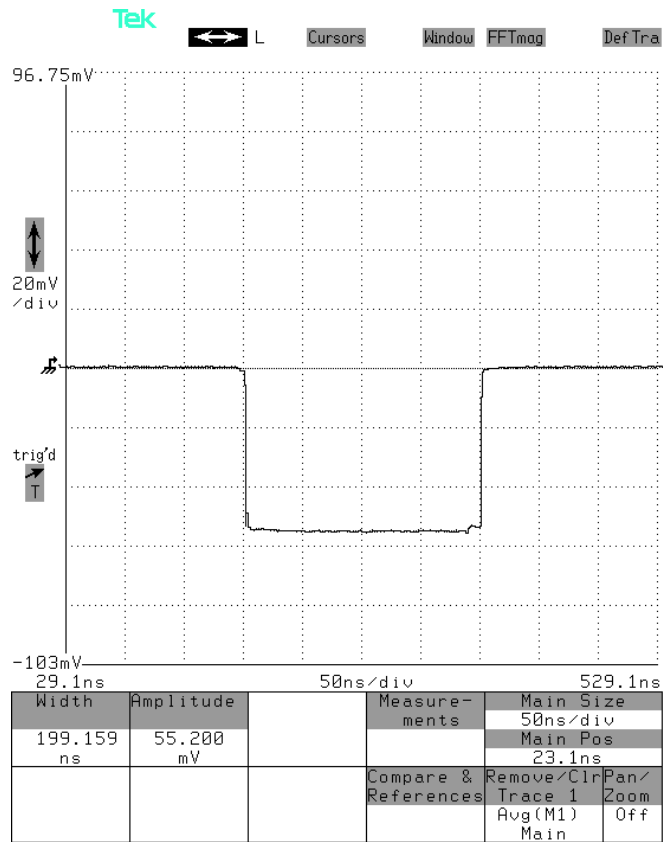
Leading edge at 100 kHz, 200 ns, -10V,

2 ns/div. 2 V/div (20 mV × 40 dB):



Full at 100 kHz, 200 ns, -10V,

50 ns/div. 2 V/div (20 mV × 40 dB):



Full pulse at 2 kHz, 10 us, -10V,

2 us/div. 2 V/div (20 mV × 40 dB):

