



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVM-1-P-M
Type: Ultra-High-Speed Pulse Generator
S.N.: 12005
Date: May 27, 2008

Output Amplitude: 0 to +5V, to 50Ω
Pulse Width (FWHM): 0.25 – 6 ns
Rise Time (20%-80%): ≤ 100 ps
Fall Time (80%-20%): ≤ 250 ps
PRF: to 25 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

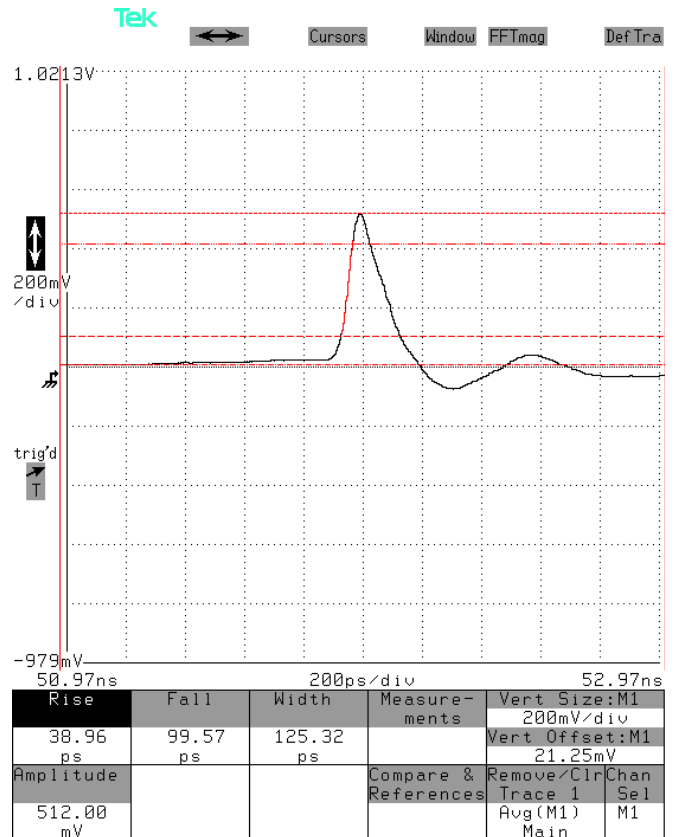
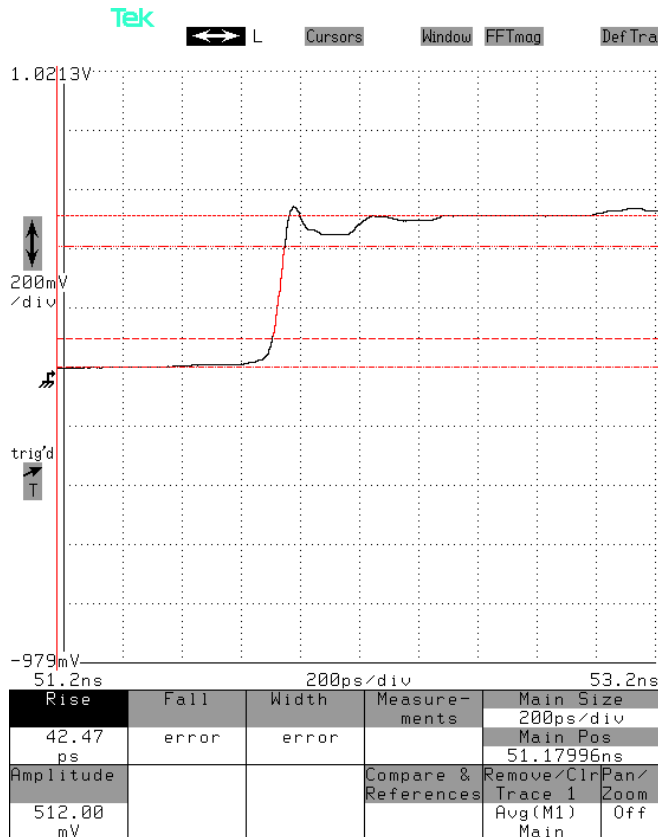
Test Waveforms

Rise time test:

12 MHz, +5V, 2 ns PW.
200 ps/div. 2 V/div (200 mV × 20 dB).

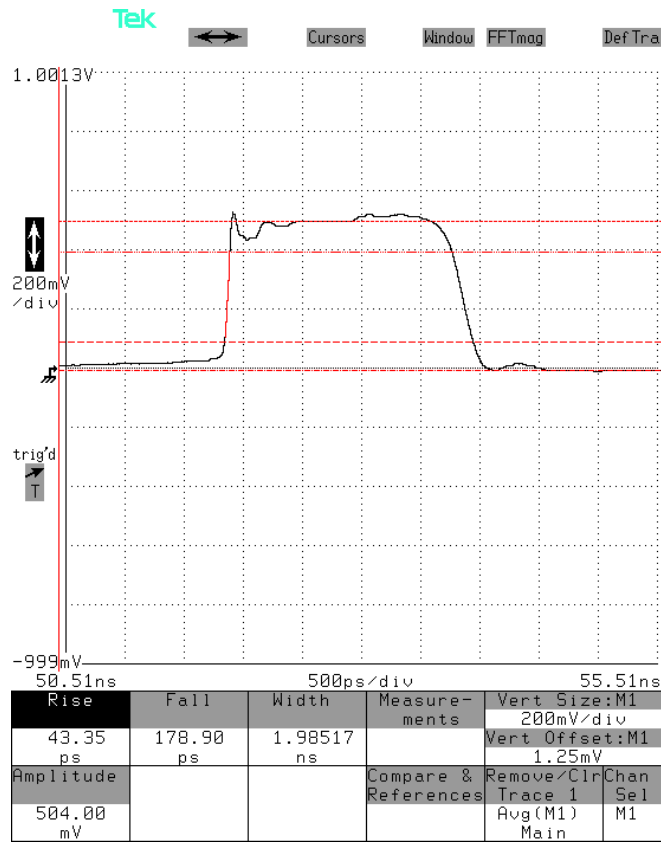
Narrow pulse test:

12 MHz, +5V, minimum PW.
200 ps/div. 2 V/div (200 mV × 20 dB).



Medium pulse width test:

12 MHz, +5V, 2 ns PW.
500 ps/div. 2 V/div (200 mV × 20 dB).



Wide pulse width test:

12 MHz, maximum amplitude, 5 ns PW.
1 ns/div. 2 V/div (200 mV × 20 dB).

