



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVM-1-C-P
Type: Ultra-High-Speed Pulse Generator
S.N.: 13205
Date: October 1, 2014

Output Amplitude: up 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, 50-60 Hz.

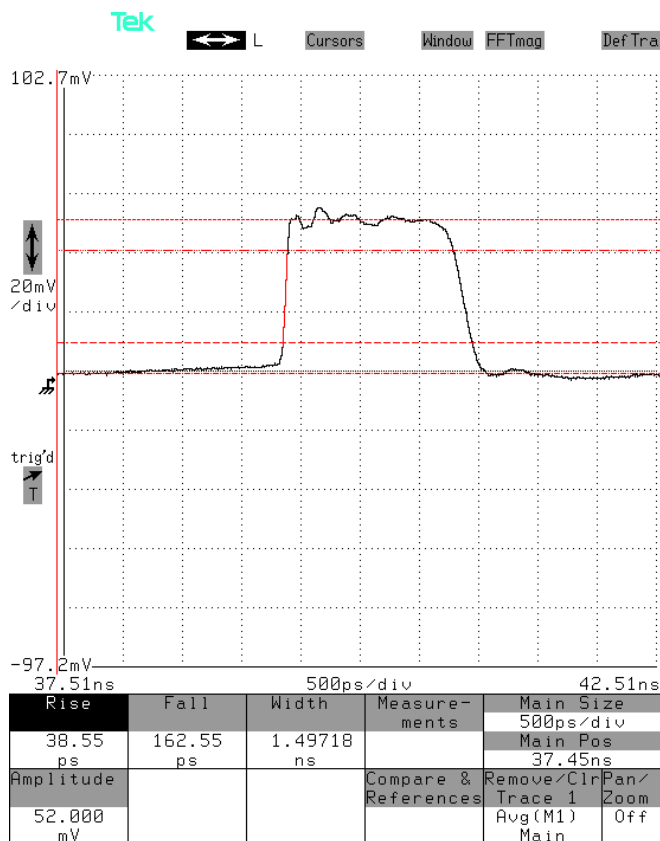
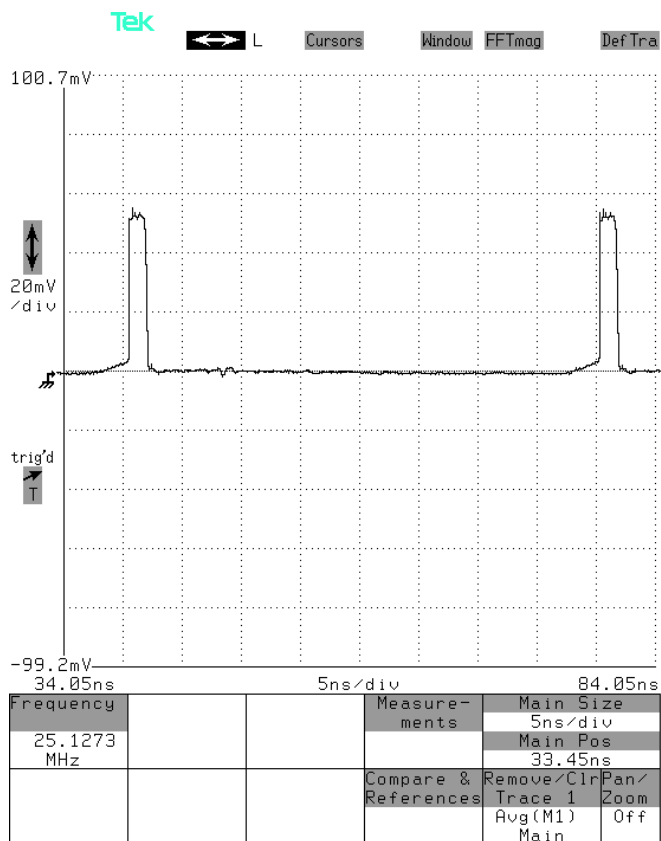
Basic specifications: →

Test Waveforms

Maximum PRF Tests

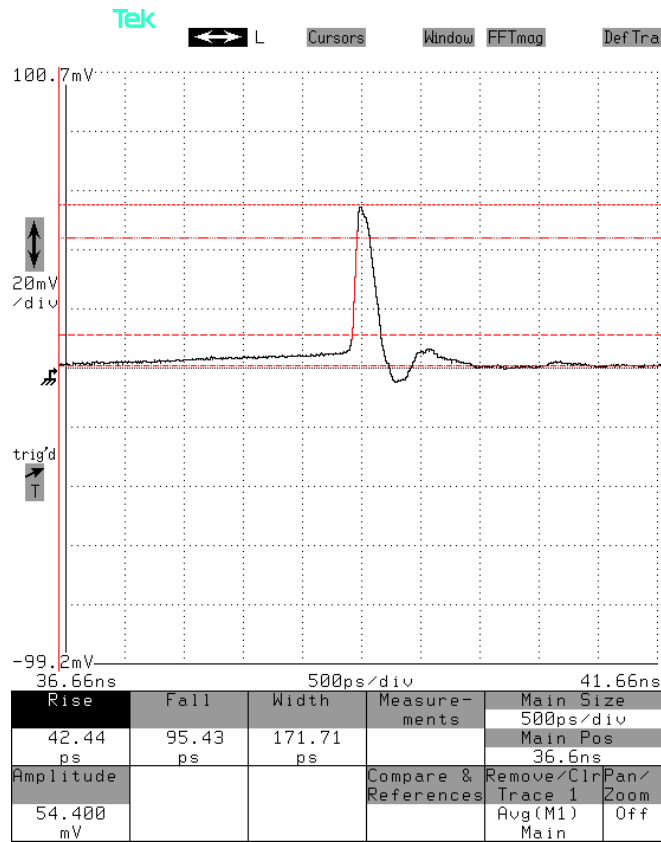
25 MHz, > +5V, 1.5 ns PW.
5 ns/div. 2 V/div (20 mV/div × 40 dB).

Same, scaled to show rise/fall times.
500 ps/div. 2 V/div (20 mV/div × 40 dB).



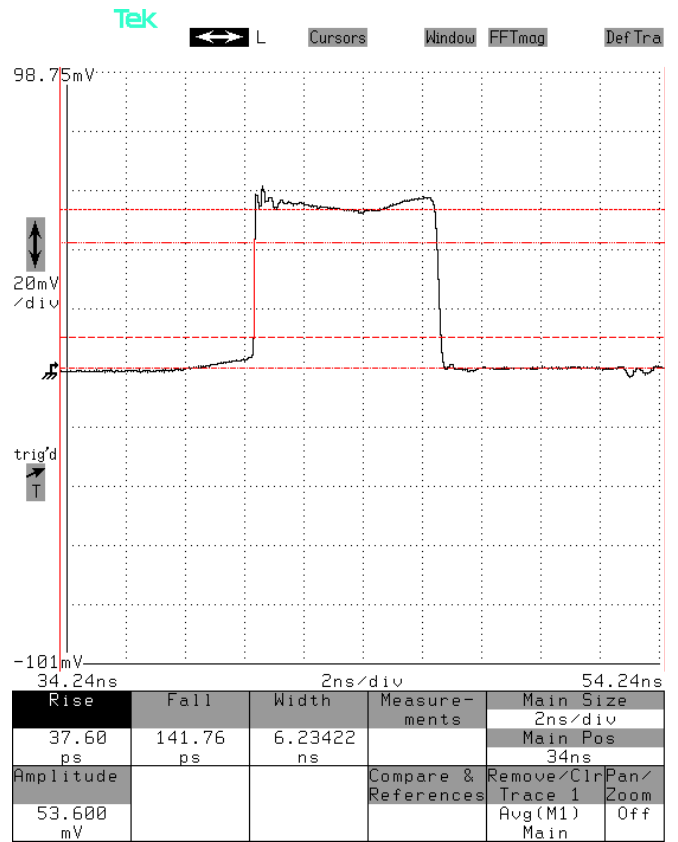
Minimum PW Test

10 MHz, > +5V, < 250 ps PW.
 500 ps/div. 2 V/div (20 mV/div × 40 dB).



Maximum PW Test

10 MHz, > +5V, > 6 ns PW.
 2 ns/div. 2 V/div (20 mV/div × 40 dB).



Low PRF Test

10 kHz, > +5V, 2 ns PW.
 500 ps/div. 2 V/div (20 mV/div × 40 dB).

