



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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☒ BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVM-1-C-N
Type: Ultra-High-Speed Pulse Generator
S.N.: 13604
Date: September 21, 2017

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.

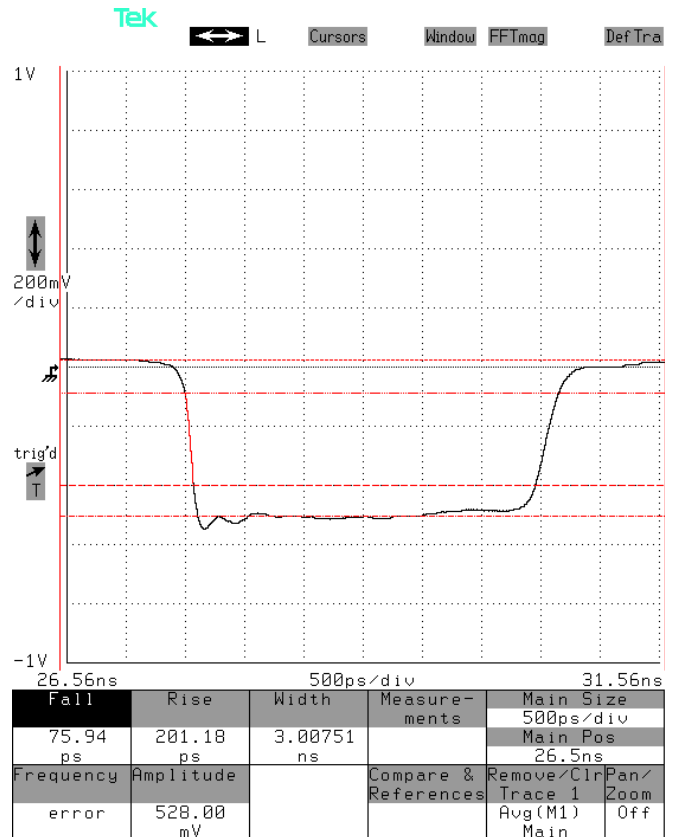
Basic specifications: →

Test Waveforms

Maximum PRF Tests

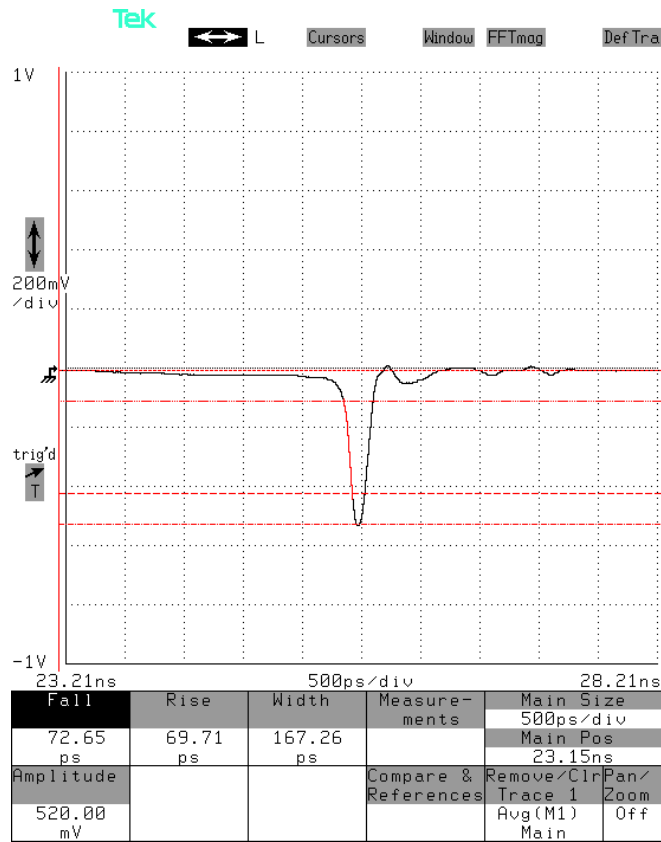
25 MHz, > -5V, 3 ns PW.
5 ns/div. 2 V/div (200 mV/div × 20 dB).

Same, scaled to show rise/fall times.
500 ps/div. 2 V/div (200 mV/div × 20 dB).



Minimum PW Test

10 MHz, > -5V, < 250 ps PW.
 500 ps/div. 2 V/div (200 mV/div × 20 dB).



Maximum PW Test

10 MHz, > -5V, > 6 ns PW.
 1 ns/div. 2 V/div (200 mV/div × 20 dB).

