



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVMR-2D-B-N-AK8-M
Type: Ultra-High-Speed Pulse Generator
S.N.: 13518
Date: November 15, 2016

Output Amplitude: up to -20V, to 50Ω
Pulse Width (FWHM): 0.5 to 200 ns
Rise Time (20%-80%): ≤ 200 ps
Fall Time (80%-20%): ≤ 200 or 250 ps
PRF: 1 Hz - 10 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

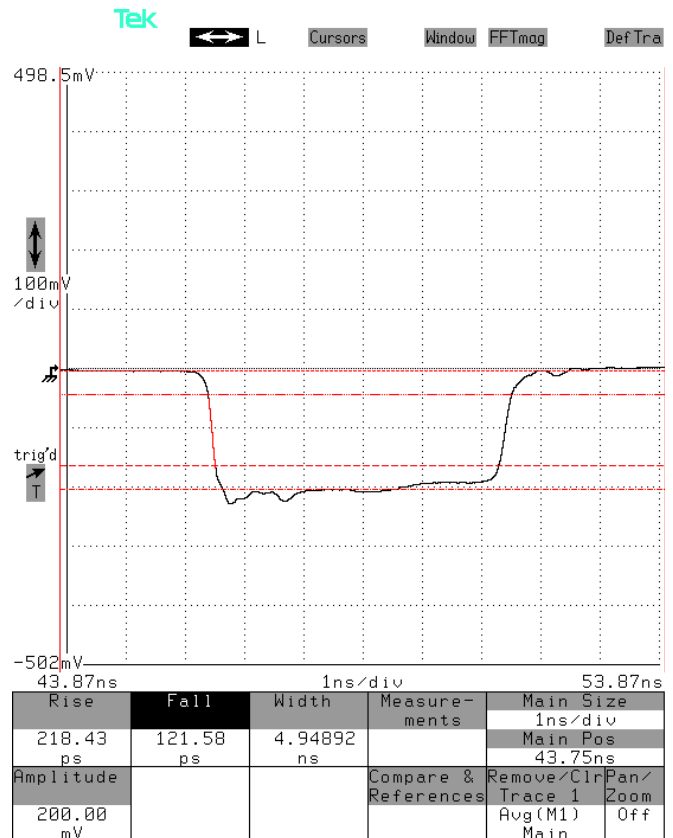
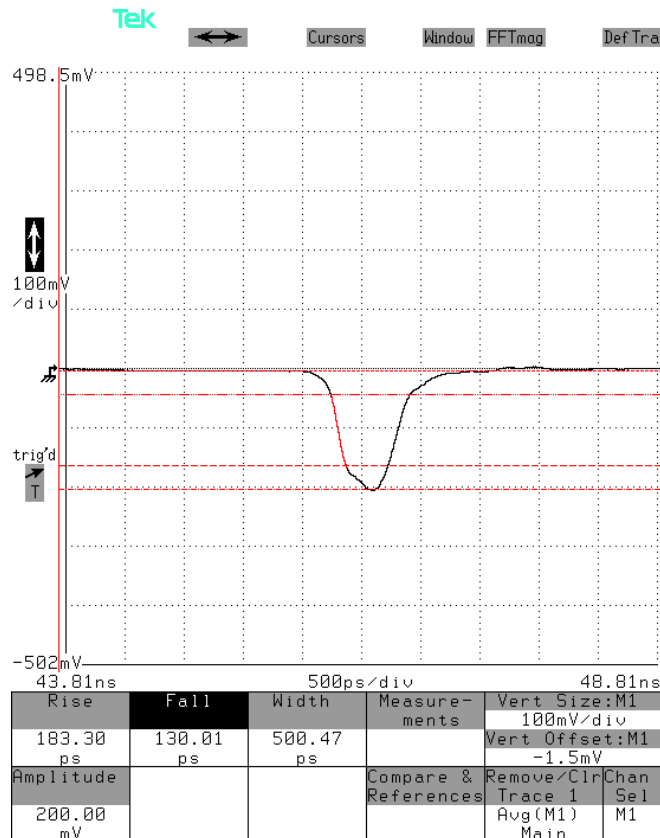
Test Waveforms

1 MHz, 500 ps, -20V,

100 kHz, 5 ns, -20V,

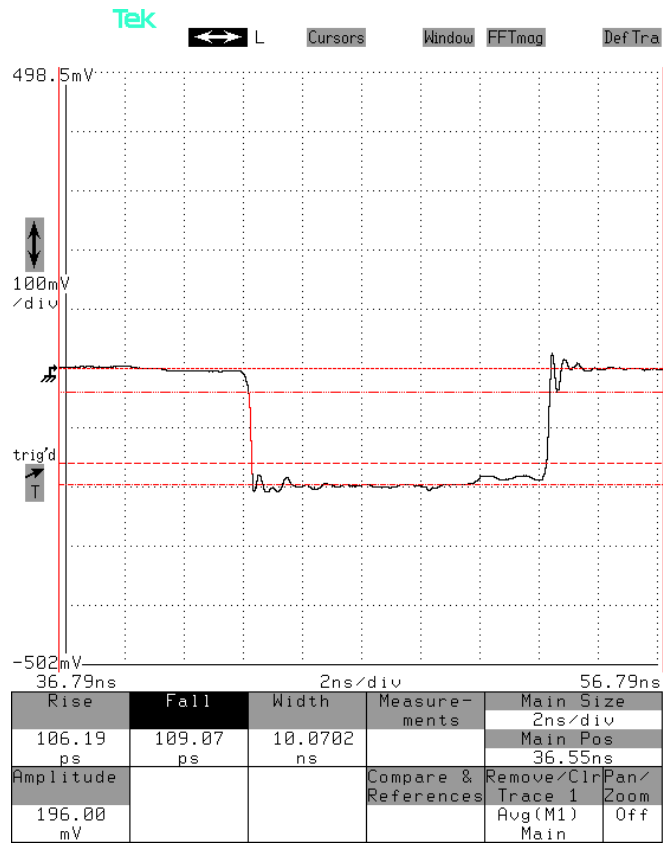
500 ps/div. 10 V/div (100 mV/div × 40 dB):

1 ns/div. 10 V/div (100 mV/div × 40 dB):



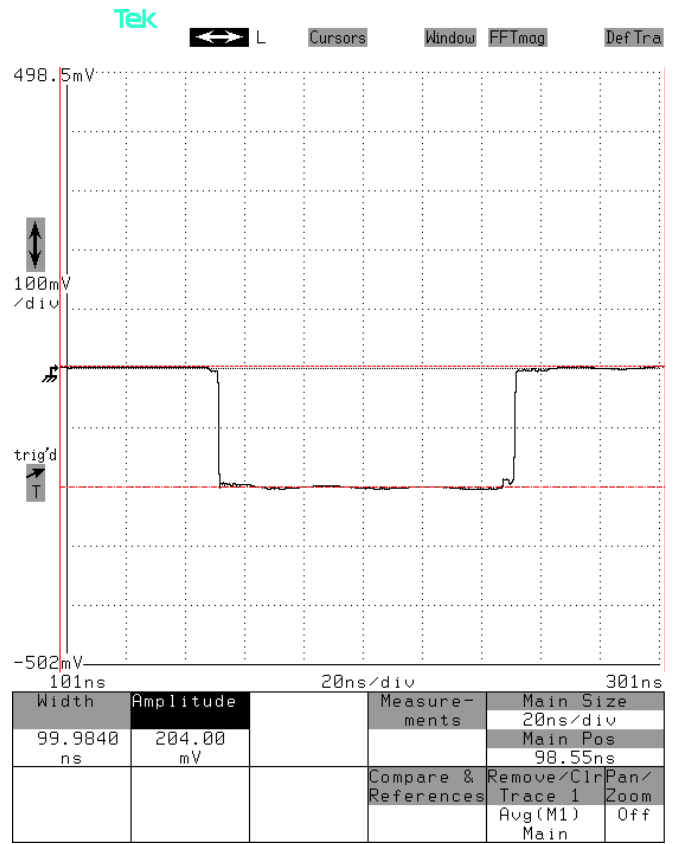
1 MHz, 10 ns, -20V,

2 ns/div. 10 V/div (100 mV/div × 40 dB):

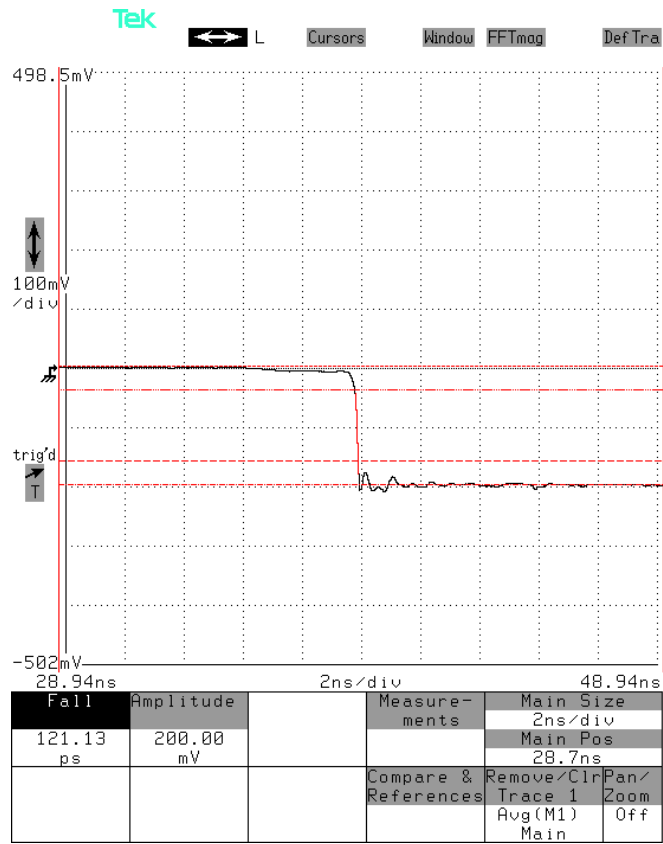


100 kHz, 100 ns, -20V,

20 ns/div. 10 V/div (100 mV/div × 40 dB):



100 kHz, 100 ns, -20V, scaled to show rise time,
2 ns/div. 10 V/div (100 mV/div × 40 dB):



100 kHz, 100 ns, -20V, scaled to show fall time,
2 ns/div. 10 V/div (100 mV/div × 40 dB):

