



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVIR-4-B-VXI-PN-M-BR
Type: Ultra-High-Speed Pulse Generator
S.N.: 13619
Date: October 23, 2017

Output Amplitude: up to $\pm 200V$, to 50Ω
Pulse Width (FWHM): 4 – 200 ns
Rise Time (20%-80%): ≤ 2 ns
Fall Time (80%-20%): ≤ 2.5 ns
PRF: 1 Hz – 20 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

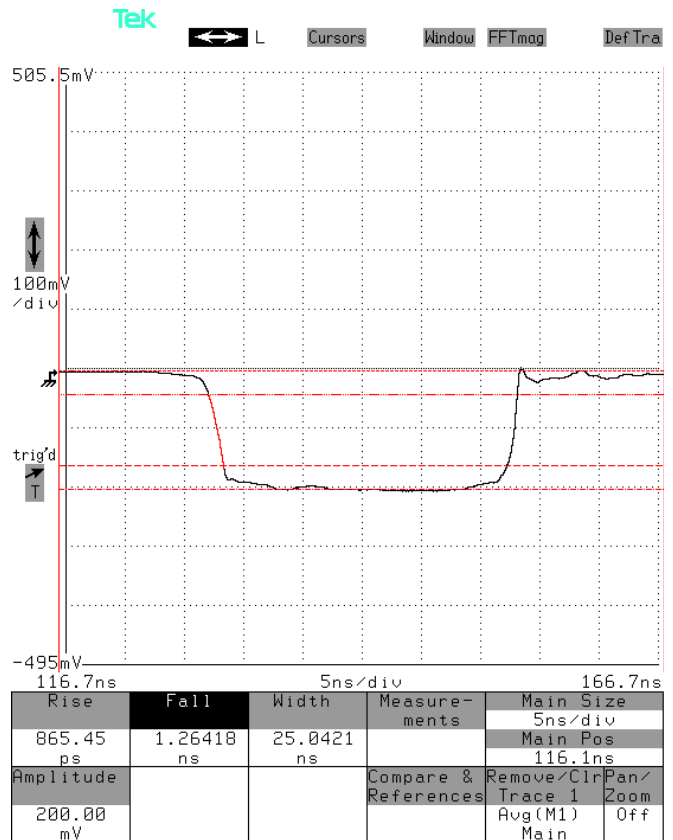
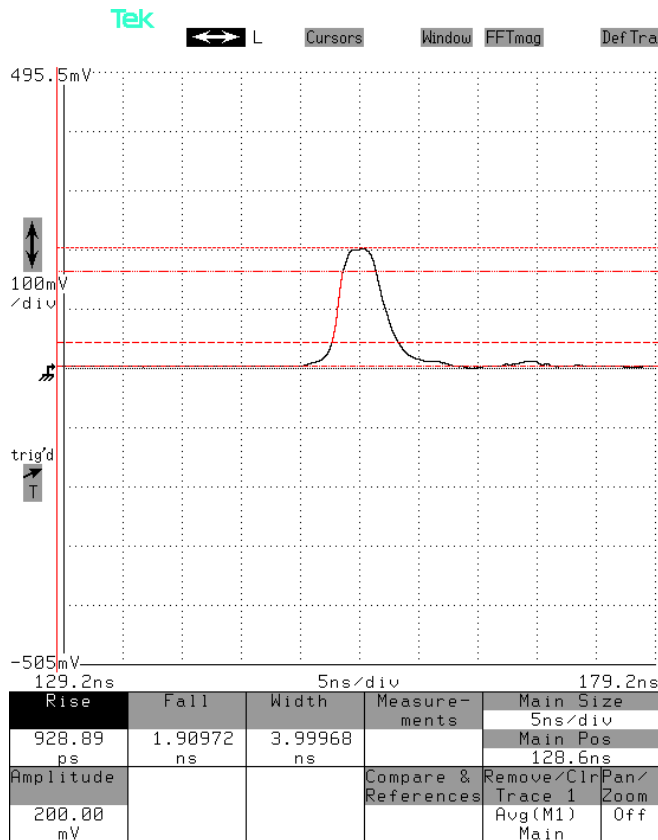
Test Waveforms

Full pulse at 20 kHz, 4 ns, +200V,

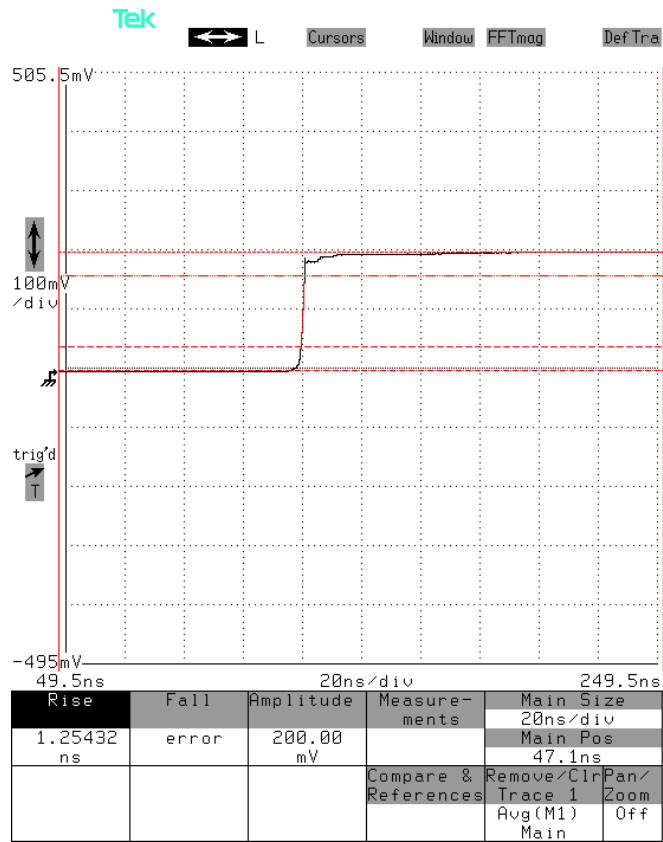
Full pulse at 20 kHz, 25 ns, -200V,

5 ns/div. 100 V/div (100 mV/div \times 60 dB):

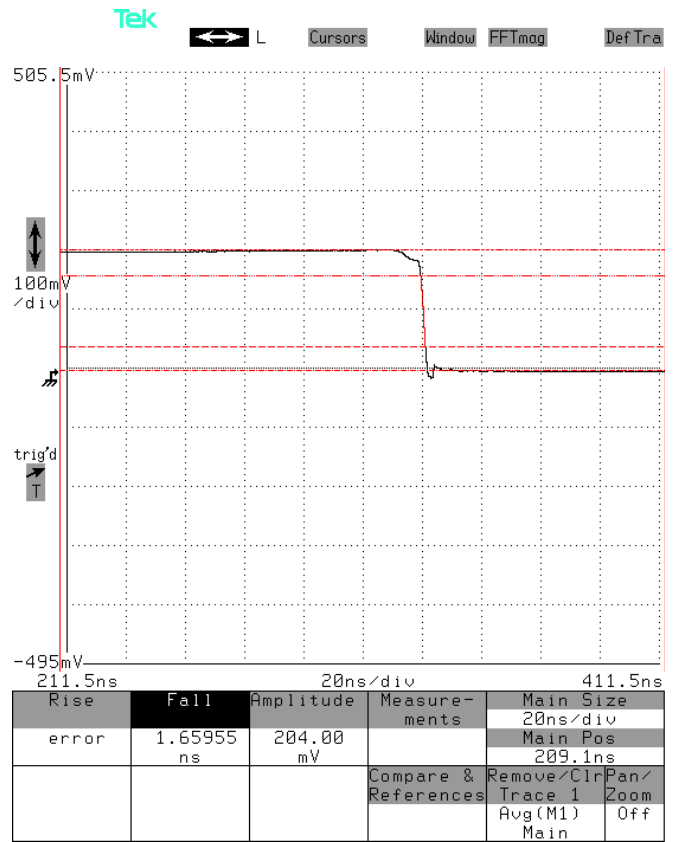
5 ns/div. 100 V/div (100 mV/div \times 60 dB):



Leading edge at 20 kHz, 200 ns, +200V,
 20 ns/div. 100 V/div (100 mV/div × 60 dB):



Trailing edge at 20 kHz, 200 ns, +200V,
 20 ns/div. 100 V/div (100 mV/div × 60 dB):



Burst of N=4 pulses at 2 kHz, 200 ns, +200V, with a burst separation of 50 μ s.

40 μ s/div. 100 V/div:

