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BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H4

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PERFORMANCE CHECKSHEET

Model: AVR-E3-B-N-M1-R5
Type: Ultra-High-Speed Pulse Generator
S.N.: 12218
Date: March 20, 2009

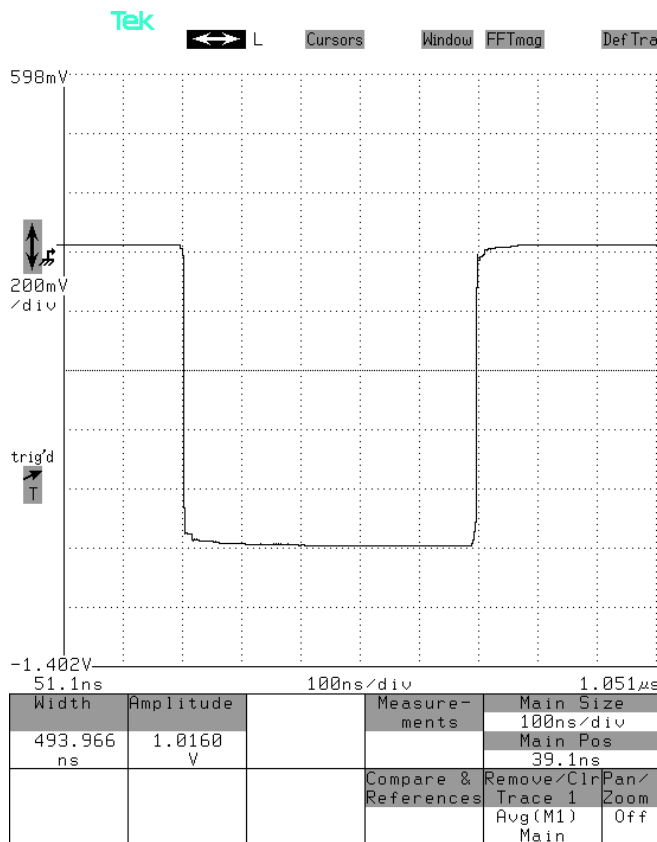
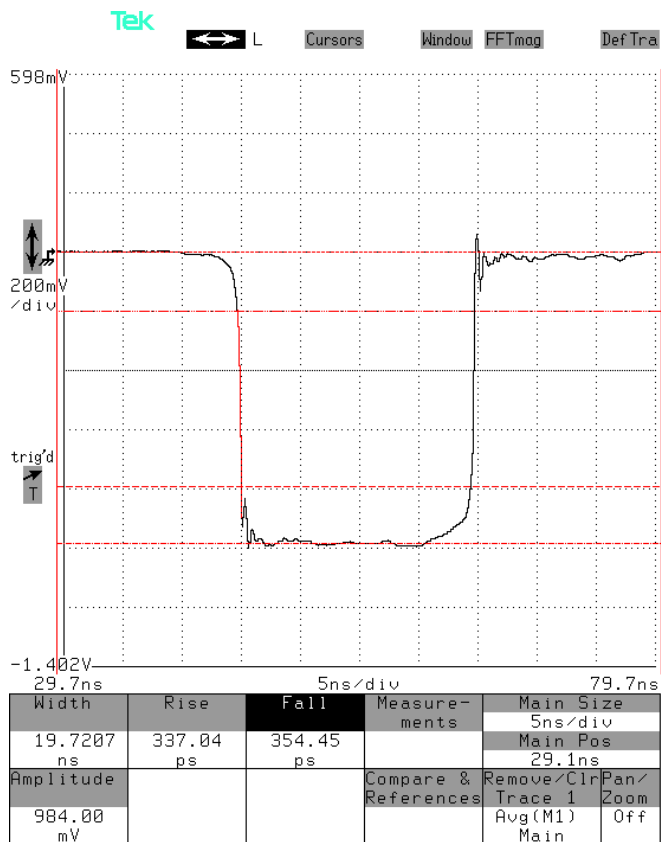
Output Amplitude: 0 to -100V, to 50Ω
Pulse Width (FWHM): 20 – 500 ns
Rise Time (20%-80%): ≤ 500 ps
Fall Time (80%-20%): ≤ 1 ns
PRF: 1 Hz – 50 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

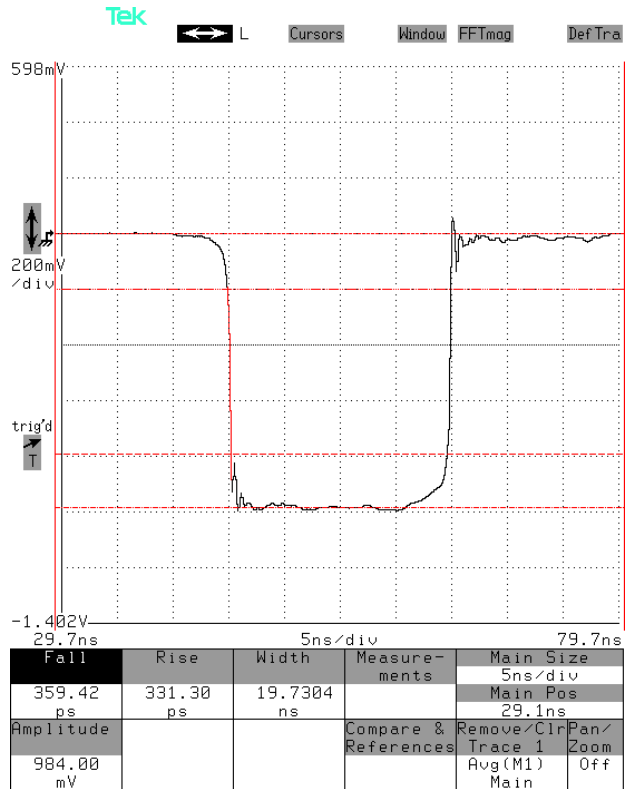
Test Waveforms

Full pulse 50 kHz, 20 ns, -100V,
5 ns/div. 20 V/div (200 mV × 40 dB):

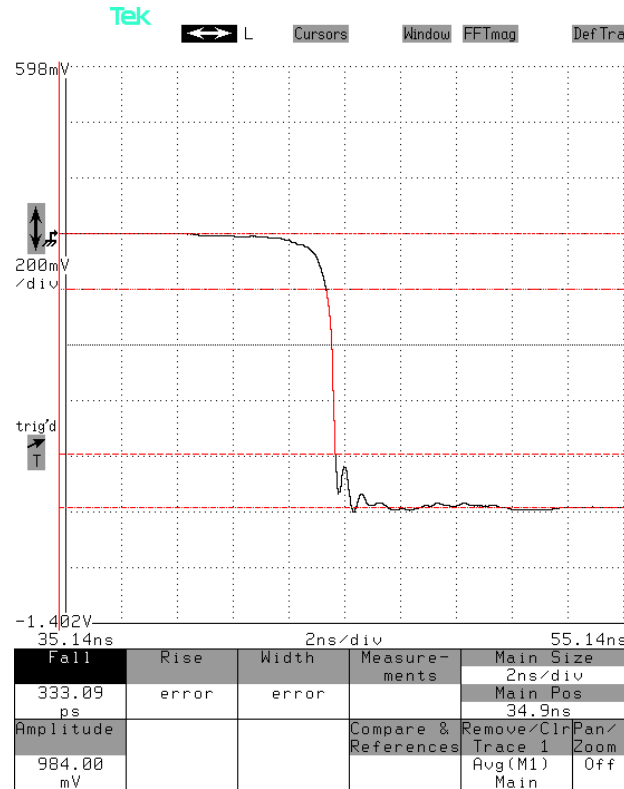
Full pulse 50 kHz, 500 ns, -100V,
200 ns/div. 20 V/div (200 mV × 40 dB):



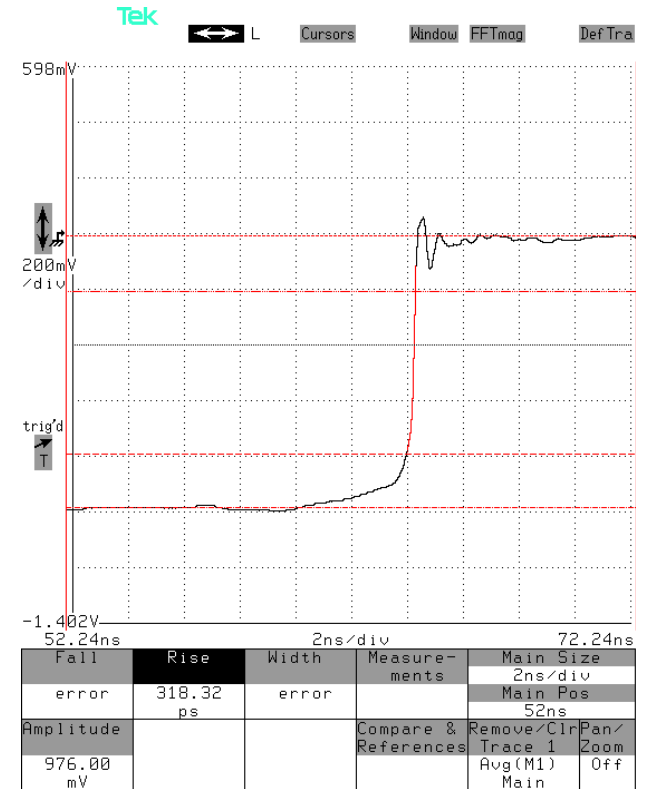
Full pulse 20 kHz, 20 ns, -100V,
5 ns/div. 20 V/div (200 mV × 40 dB):



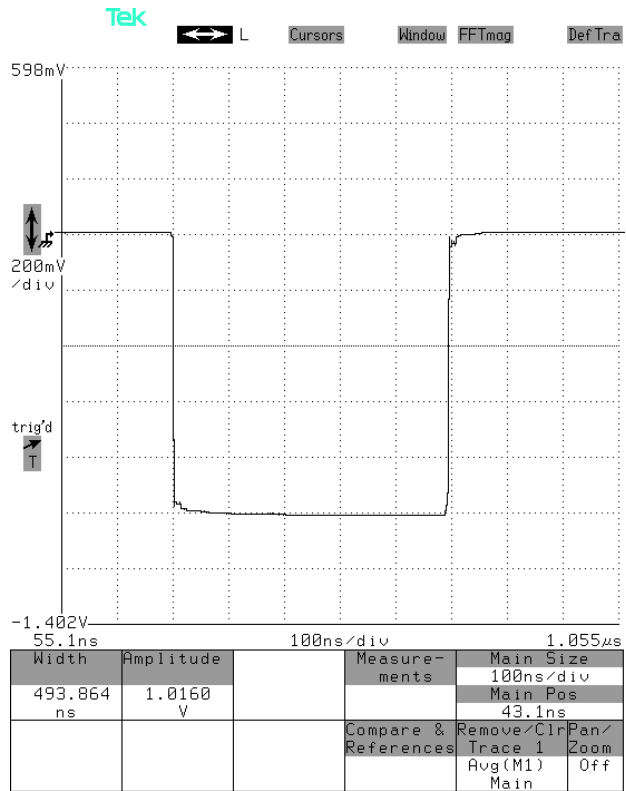
Leading edge at 20 kHz, 20 ns, -100V,
2 ns/div. 20 V/div (200 mV × 40 dB):



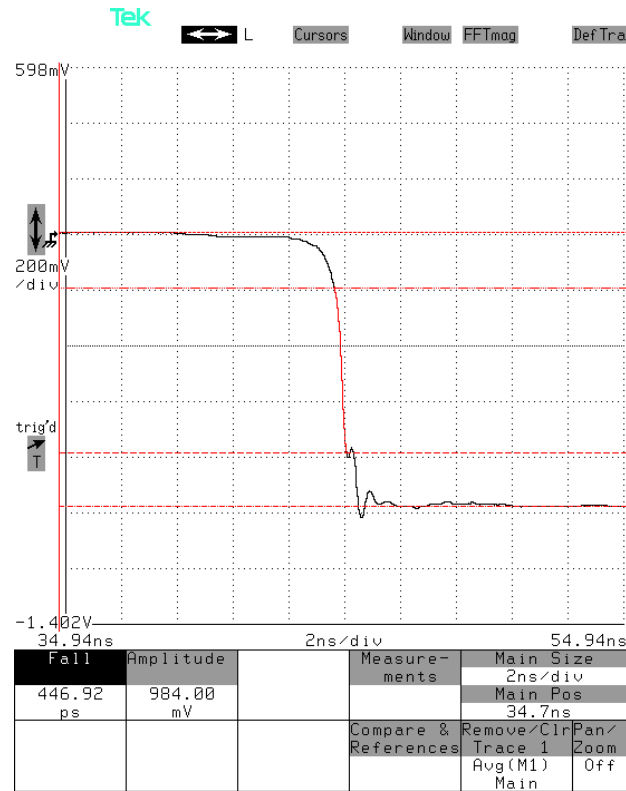
Trailing edge at 20 kHz, 20 ns, -100V,
2 ns/div. 20 V/div (200 mV × 40 dB):



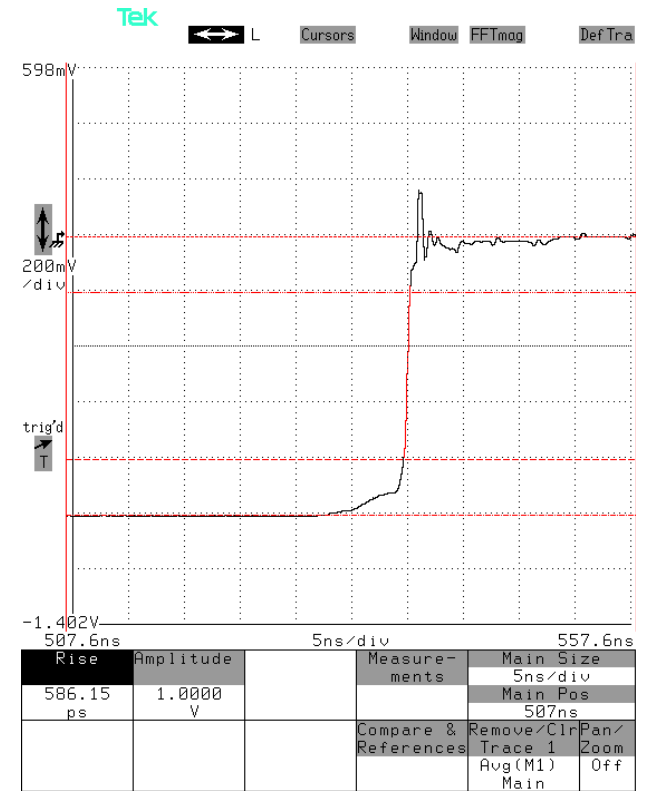
Full pulse 20 kHz, 500 ns, -100V,
100 ns/div. 20 V/div (200 mV × 40 dB):



Leading edge at 20 kHz, 500 ns, -100V,
2 ns/div. 20 V/div (200 mV × 40 dB):

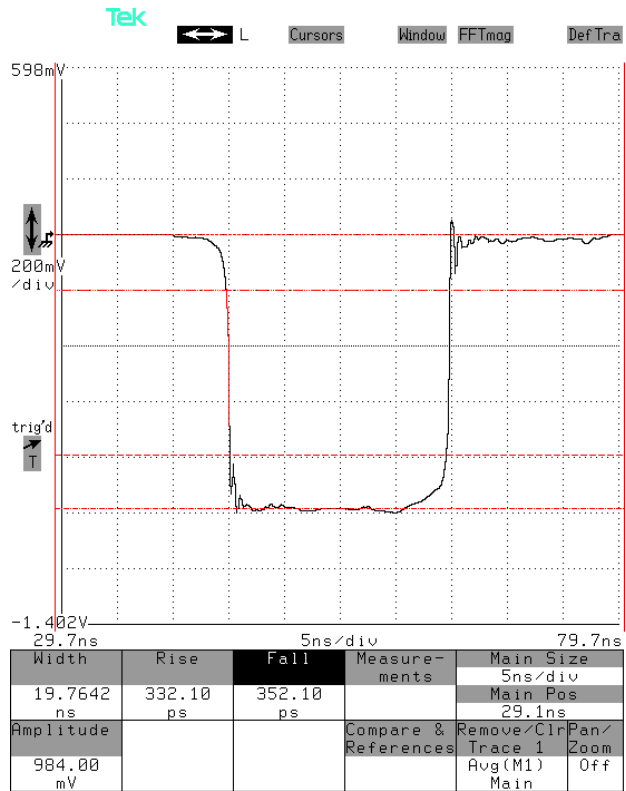


Trailing edge at 20 kHz, 500 ns, -100V,
5 ns/div. 20 V/div (200 mV × 40 dB):



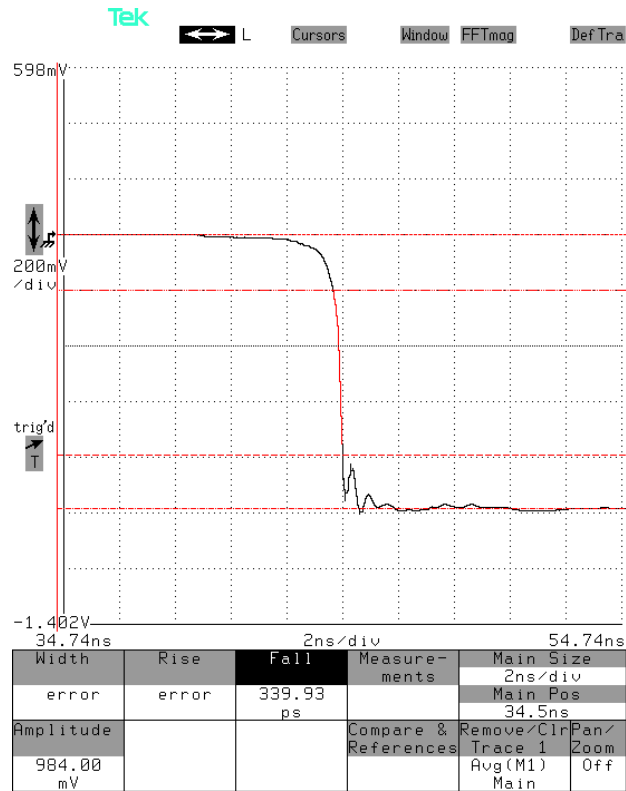
Full pulse 5 kHz, 20 ns, -100V,

5 ns/div. 20 V/div (200 mV × 40 dB):



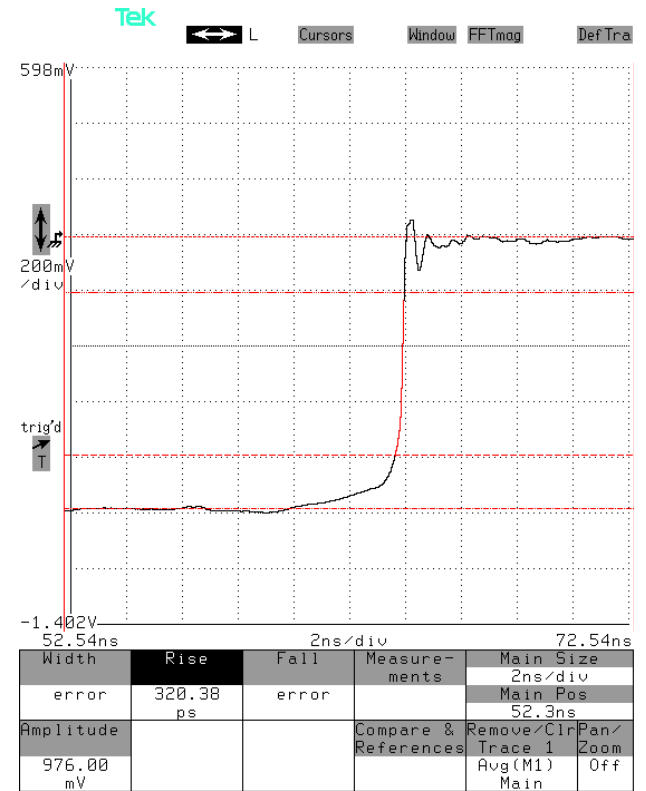
Leading edge at 5 kHz, 20 ns, -100V,

2 ns/div. 20 V/div (200 mV × 40 dB):



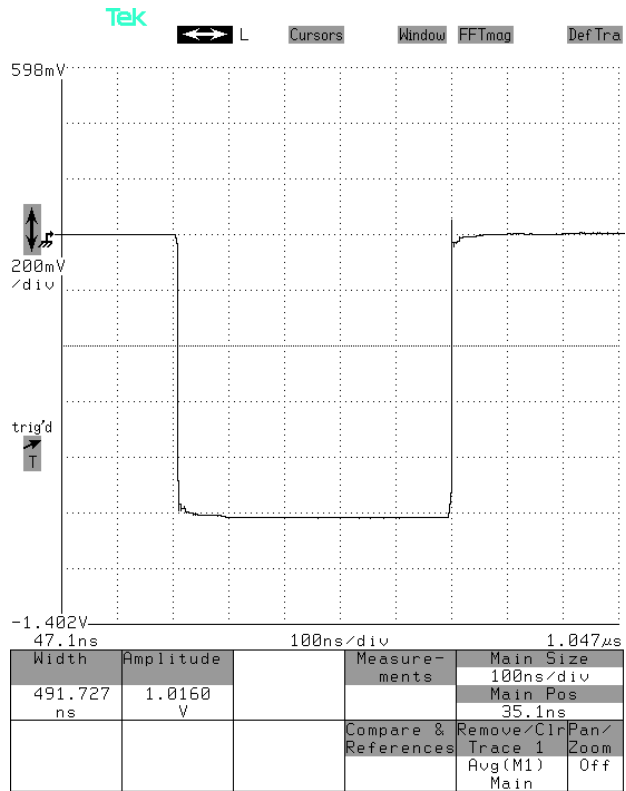
Trailing edge at 5 kHz, 20 ns, -100V,

2 ns/div. 20 V/div (200 mV × 40 dB):



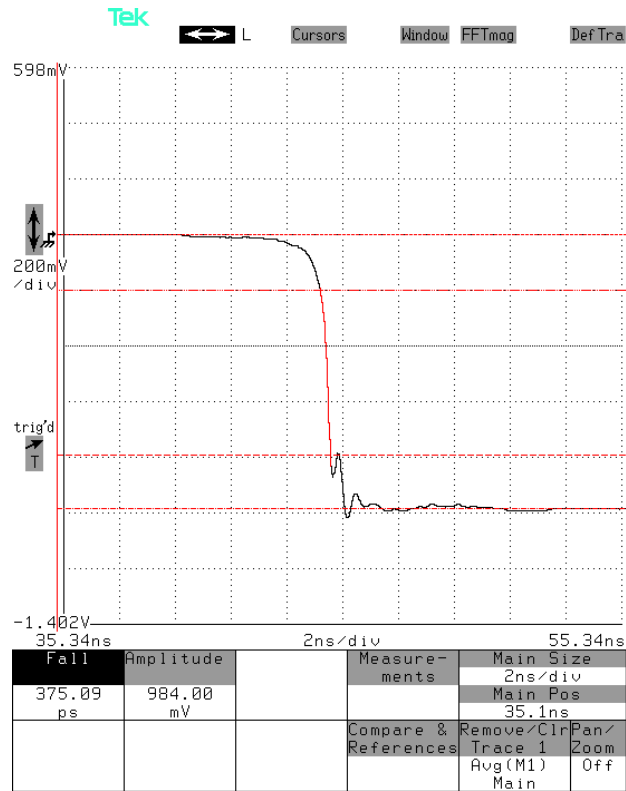
Full pulse 5 kHz, 500 ns, -100V,

100 ns/div. 20 V/div (200 mV × 40 dB):



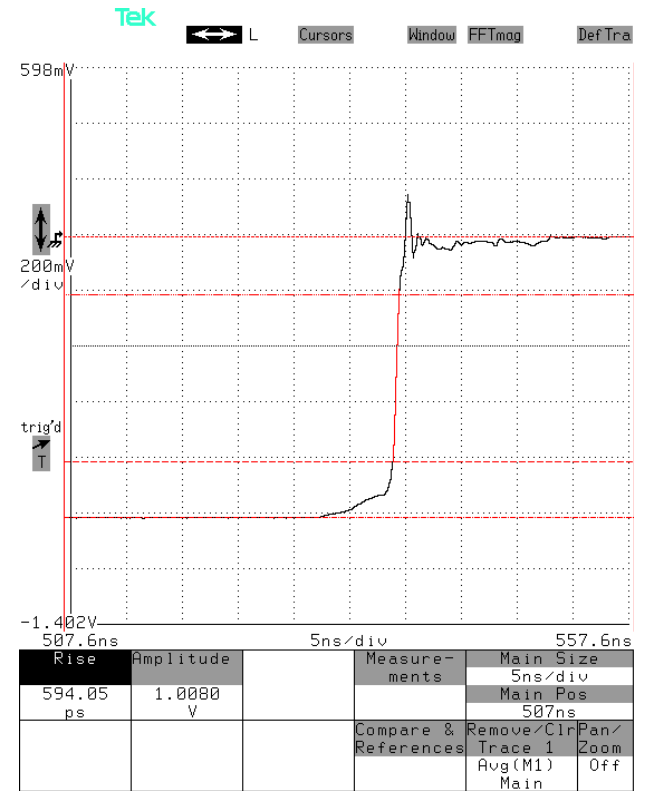
Leading edge at 5 kHz, 500 ns, -100V,

2 ns/div. 20 V/div (200 mV × 40 dB):



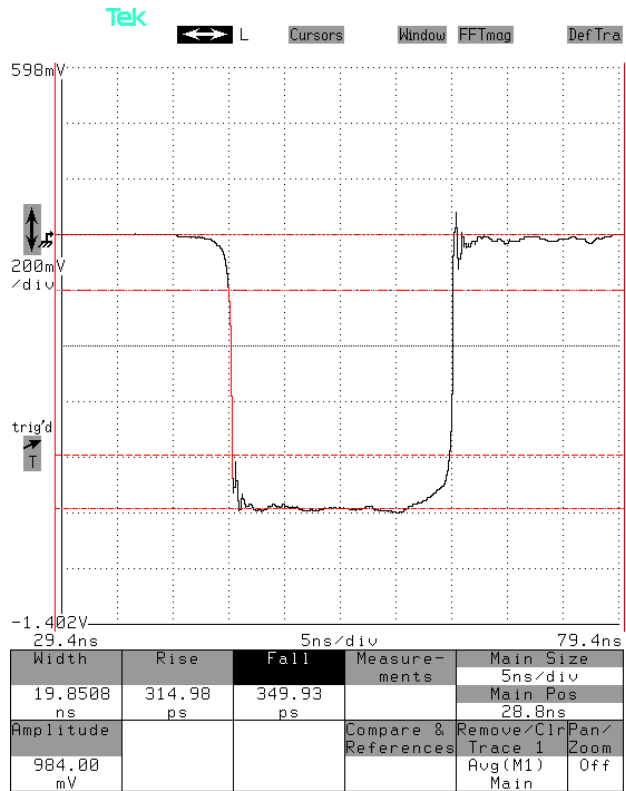
Trailing edge at 5 kHz, 500 ns, -100V,

5 ns/div. 20 V/div (200 mV × 40 dB):



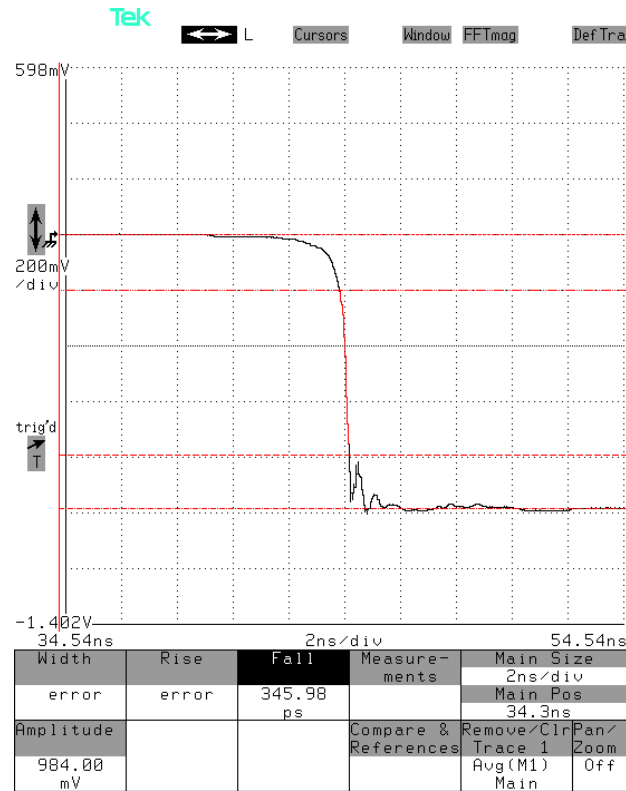
Full pulse 500 Hz, 20 ns, -100V,

5 ns/div. 20 V/div (200 mV × 40 dB):



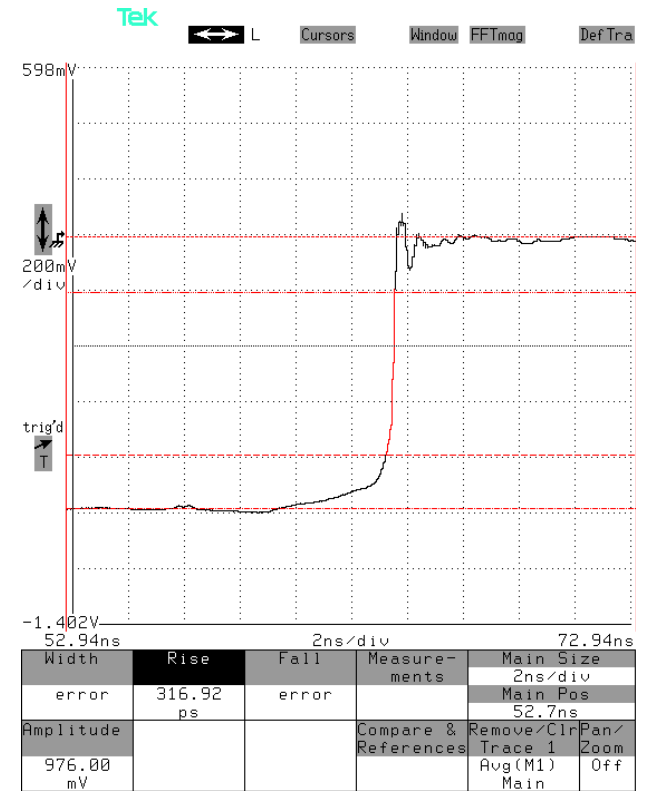
Leading edge at 500 Hz, 20 ns, -100V,

2 ns/div. 20 V/div (200 mV × 40 dB):

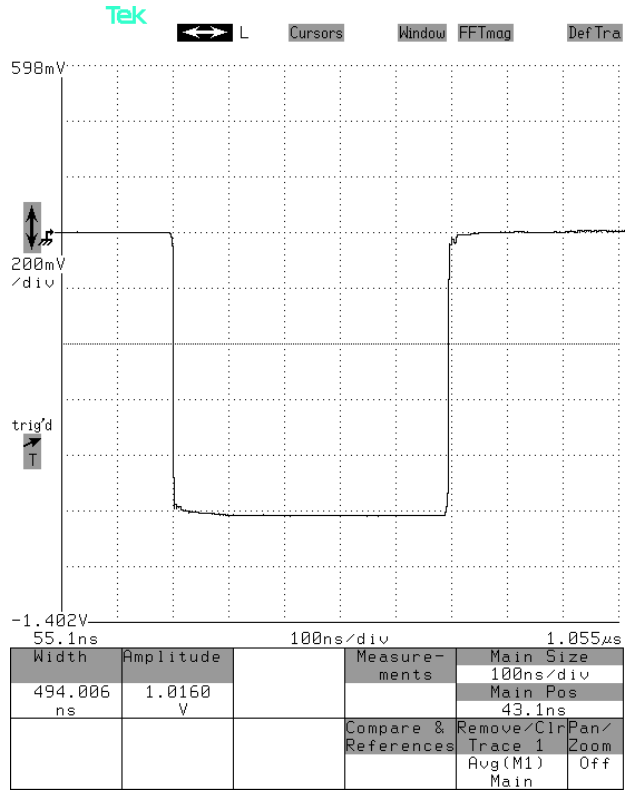


Trailing edge at 500 Hz, 20 ns, -100V,

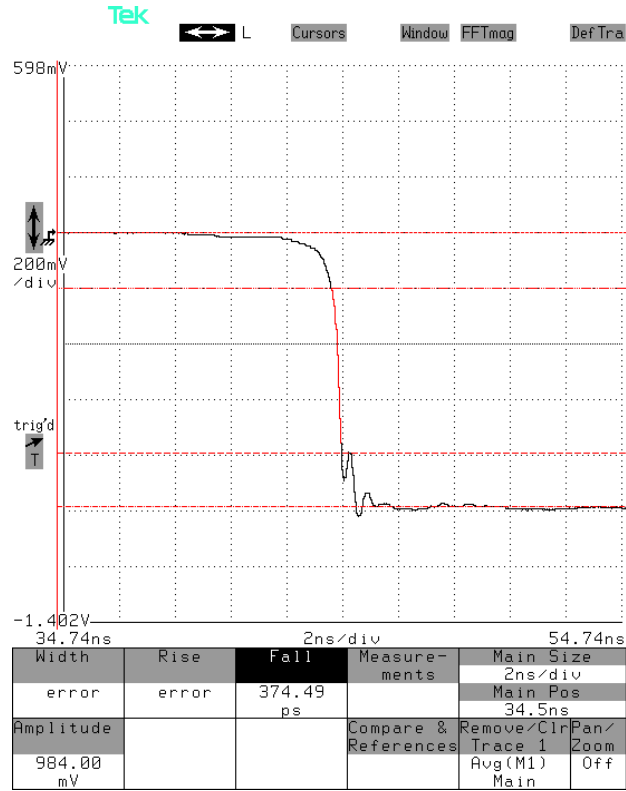
2 ns/div. 20 V/div (200 mV × 40 dB):



Full pulse 500 Hz, 500 ns, -100V,
100 ns/div. 20 V/div (200 mV × 40 dB):



Leading edge at 500 Hz, 500 ns, -100V,
2 ns/div. 20 V/div (200 mV × 40 dB):



Trailing edge at 500 Hz, 500 ns, -100V,
5 ns/div. 20 V/div (200 mV × 40 dB):

