



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVR-E3-B-PN-W-CSA
Type: Ultra-High-Speed Pulse Generator
S.N.: 11762
Date: June 25, 2007

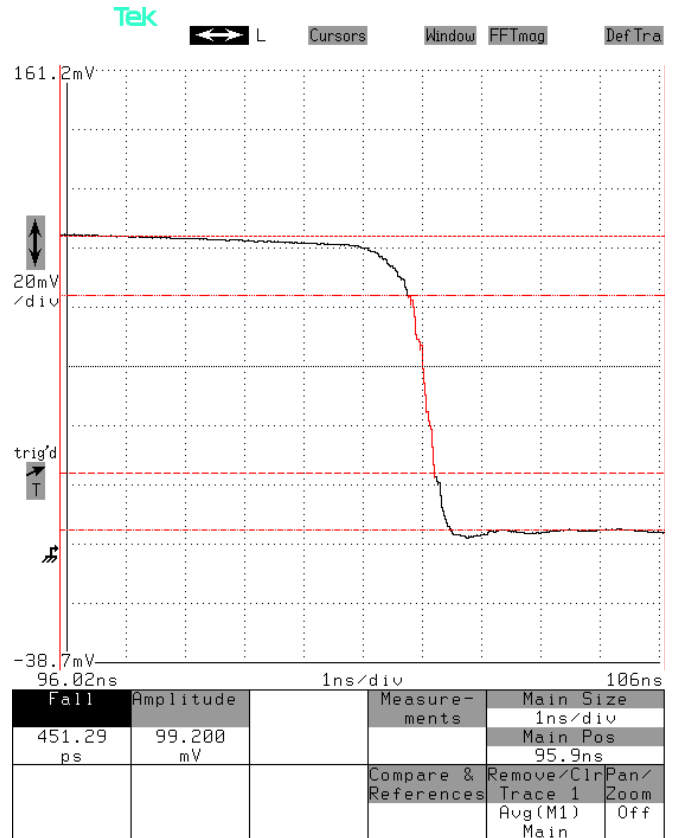
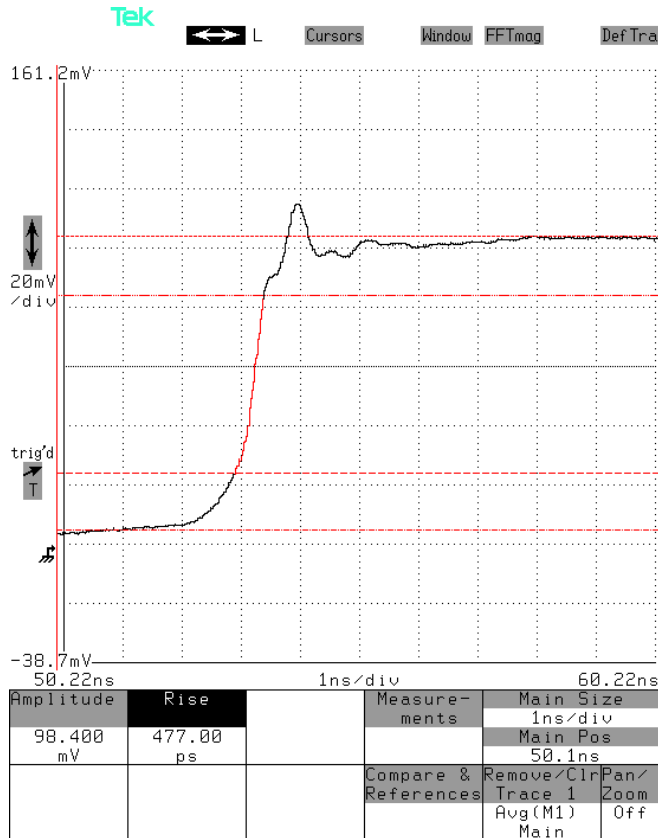
Output Amplitude: 0 to +/- 100V, to 50Ω
Pulse Width (FWHM): 50 ns – 5 us
Rise Time (20%-80%): ≤ 500 ps
Fall Time (80%-20%): ≤ 1 ns
PRF: 1 Hz – 5 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

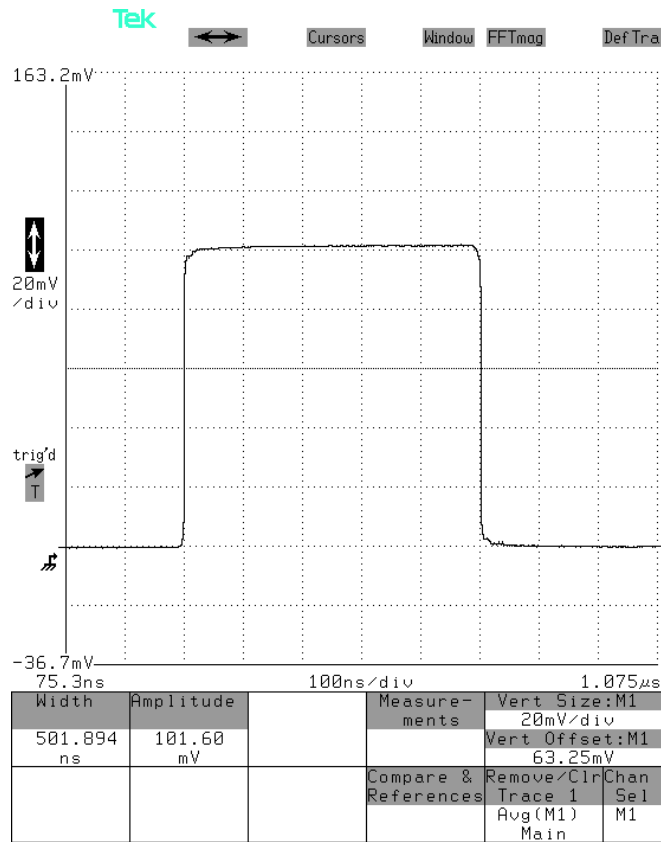
Test Waveforms

Leading edge at 5 kHz, 50 ns, +100V,
1 ns/div. 20 V/div (20 mV × 60 dB):

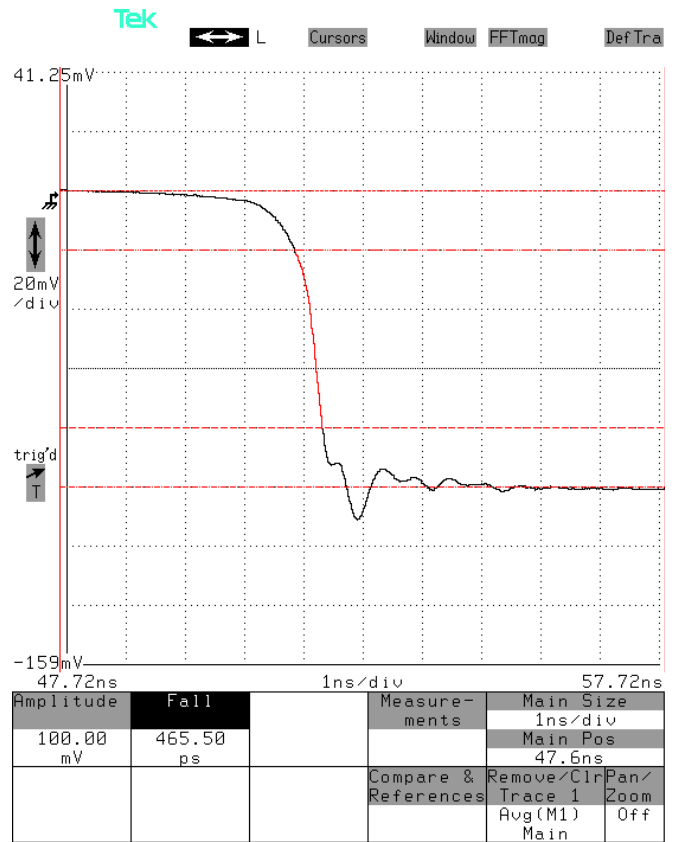
Trailing edge at 5 kHz, 50 ns, +100V,
1 ns/div. 20 V/div (20 mV × 60 dB):



Full pulse at 5 kHz, 500 ns, +100V,
 100 ns/div. 20 V/div (20 mV × 60 dB):

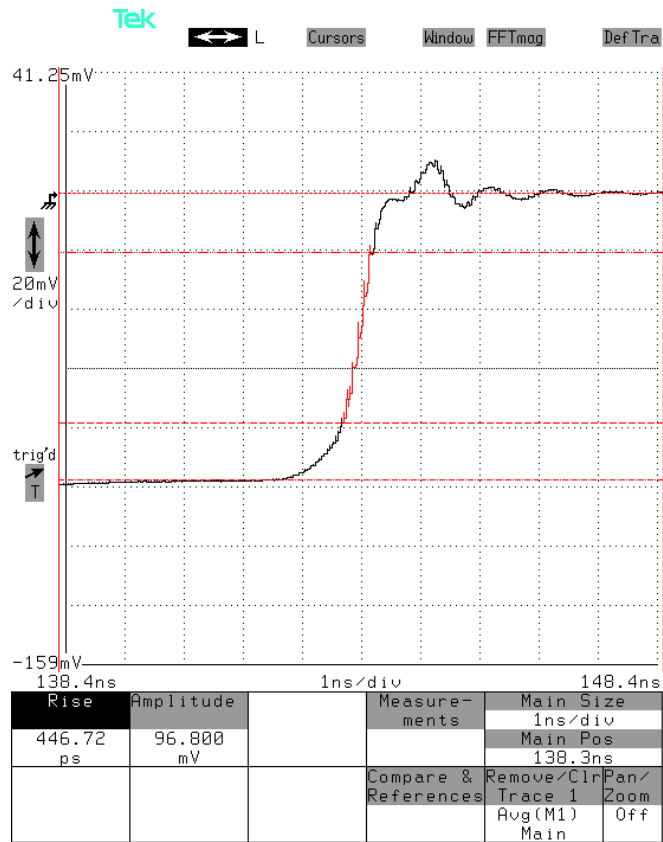


Leading edge at 5 kHz, 50 ns, -100V,
 1 ns/div. 20 V/div (20 mV × 60 dB):



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

1 ns/div. 20 V/div (20 mV × 60 dB):



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

100 ns/div. 20 V/div (20 mV × 60 dB):

