



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVN-W1-C-P-QTKA
Type: Ultra-High-Speed Pulse Generator
S.N.: 12289
Date: March 25, 2009

Output Amplitude: 0 to +5V, to 50Ω
Pulse Width (FWHM): 0.5 - 5 ns
Rise Time (20%-80%): ≤ 200 ps
Fall Time (80%-20%): ≤ 300 ps
PRF: 5 - 50 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz

Basic specifications: →

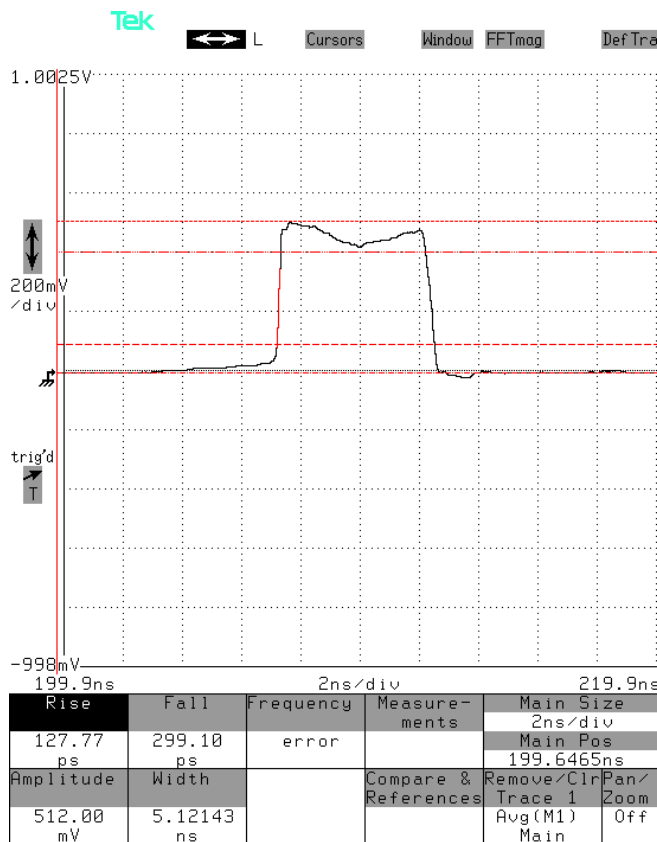
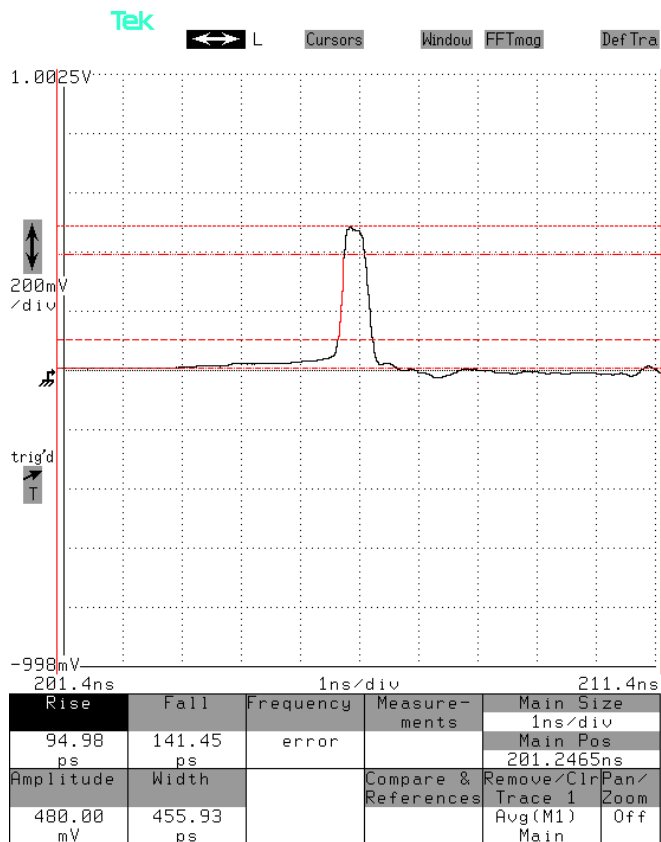
Test Waveforms

At 5 MHz, < 0.5 ns, +5V, approximately,

1 ns/div. 2 V/div (200 mV × 20 dB):

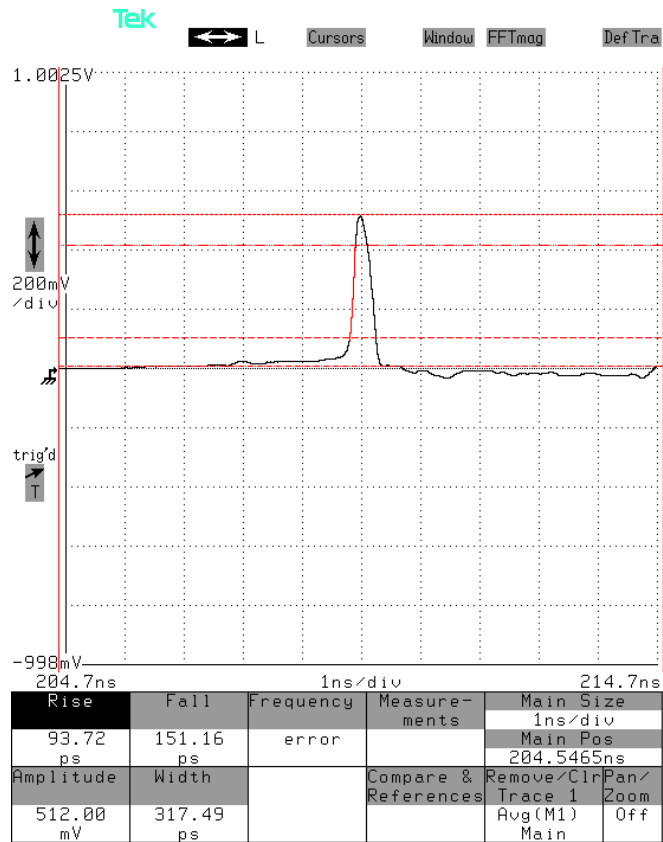
At 5 MHz, 5 ns, +5V, approximately,

2 ns/div. 2 V/div (200 mV × 20 dB):



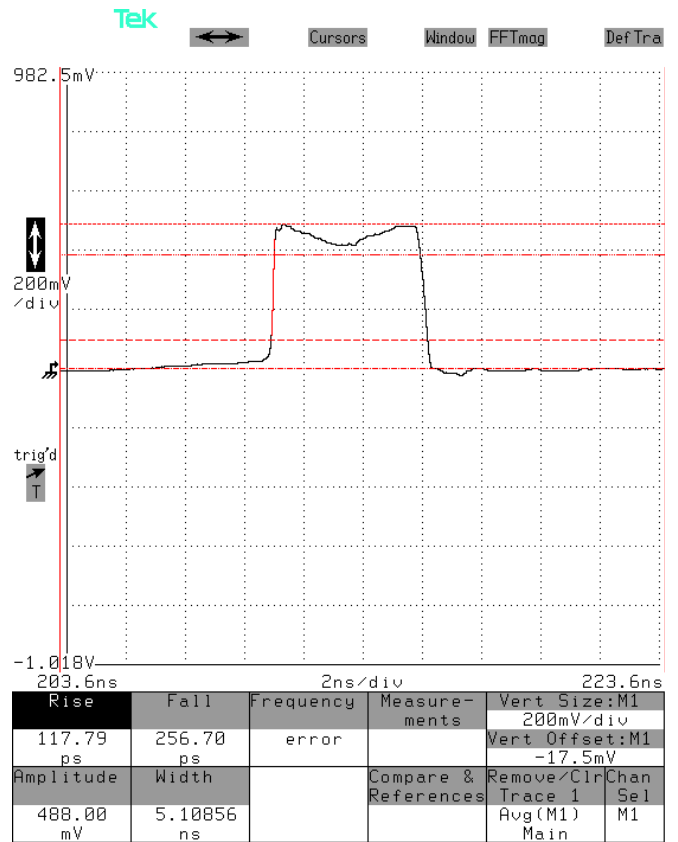
At 10 MHz, < 0.5 ns, +5V, approximately,

1 ns/div. 2 V/div (200 mV × 20 dB):



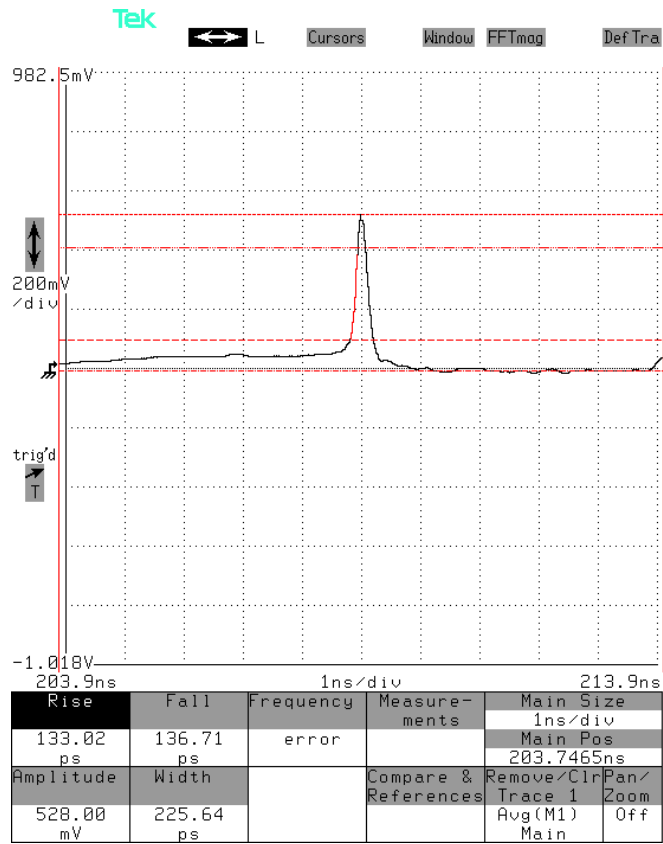
At 10 MHz, 5 ns, +5V, approximately,

2 ns/div. 2 V/div (200 mV × 20 dB):



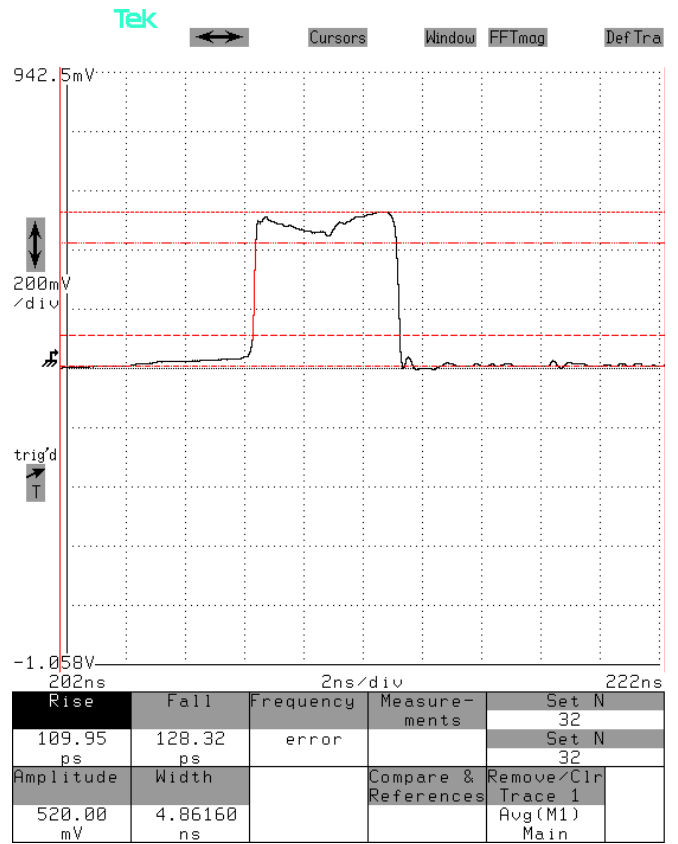
At 20 MHz, < 0.5 ns, +5V, approximately,

1 ns/div. 2 V/div (200 mV × 20 dB):



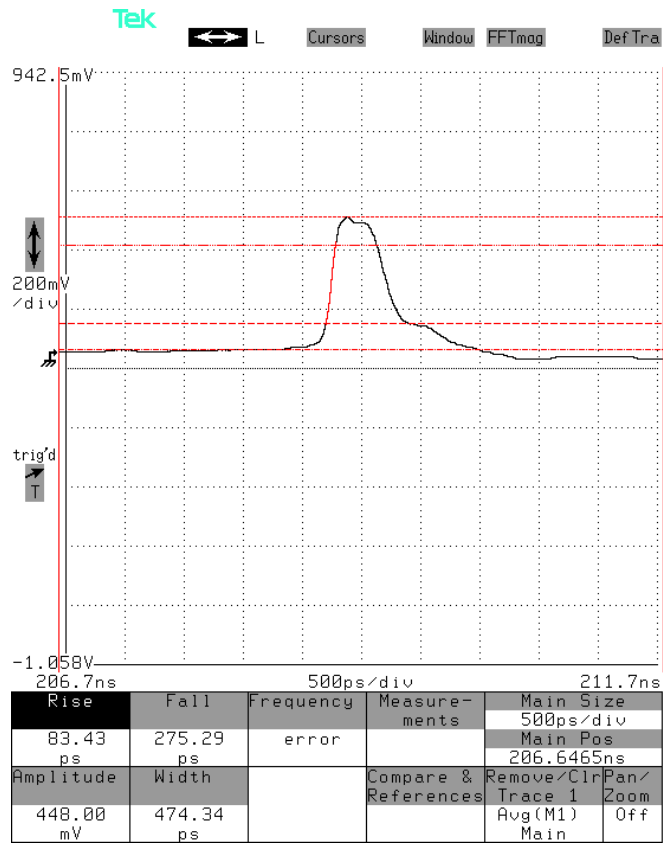
At 20 MHz, 5 ns, +5V, approximately,

2 ns/div. 2 V/div (200 mV × 20 dB):



At 50 MHz, < 0.5 ns, +5V, approximately,

1 ns/div. 2 V/div (200 mV × 20 dB):



At 50 MHz, 5 ns, +5V, approximately,

2 ns/div. 2 V/div (200 mV × 20 dB):

