



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVN-5A-C-P
Type: Ultra-High-Speed Pulse Generator
S.N.: 12132
Date: December 12, 2008

Output Amplitude: 0 to 20V, 30V, to 50Ω
Pulse Width (FWHM): 0.4 - 1 ns
Rise Time (20%-80%): ≤ 200 ps
Fall Time (80%-20%): ≤ 250 ps
PRF: 25 - 200 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

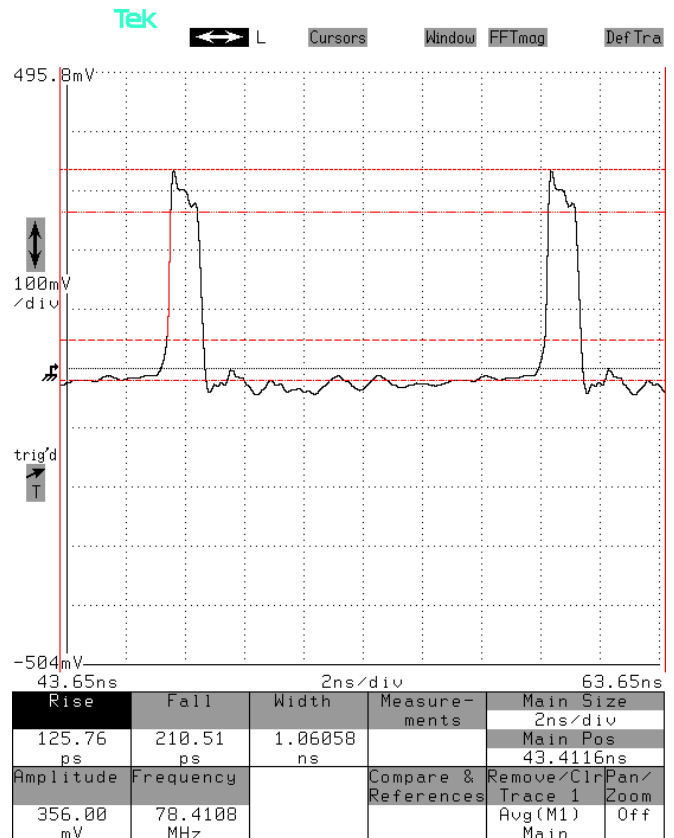
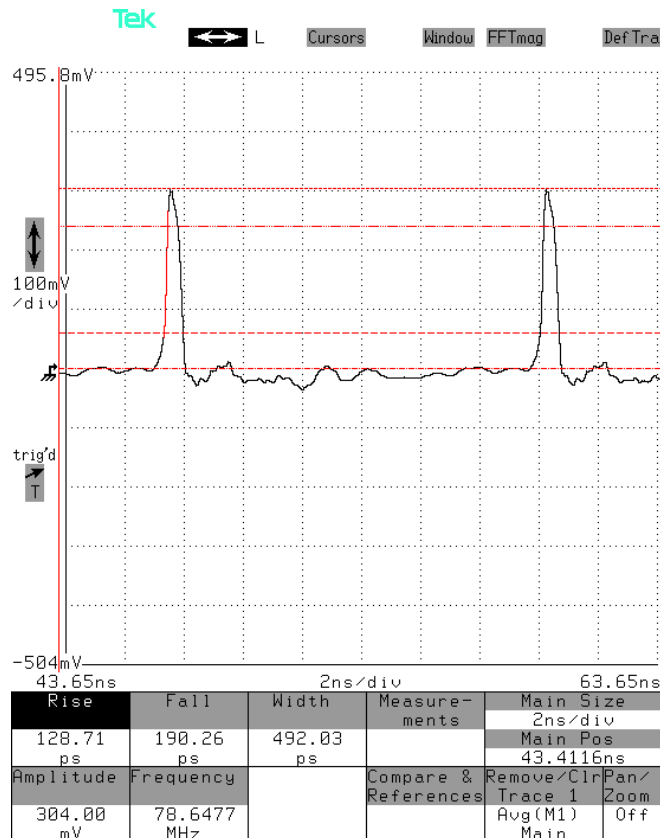
Test Waveforms

78 MHz, 500 ps, +30V into 50 Ohms:

78 MHz, 1 ns, +30V into 50 Ohms:

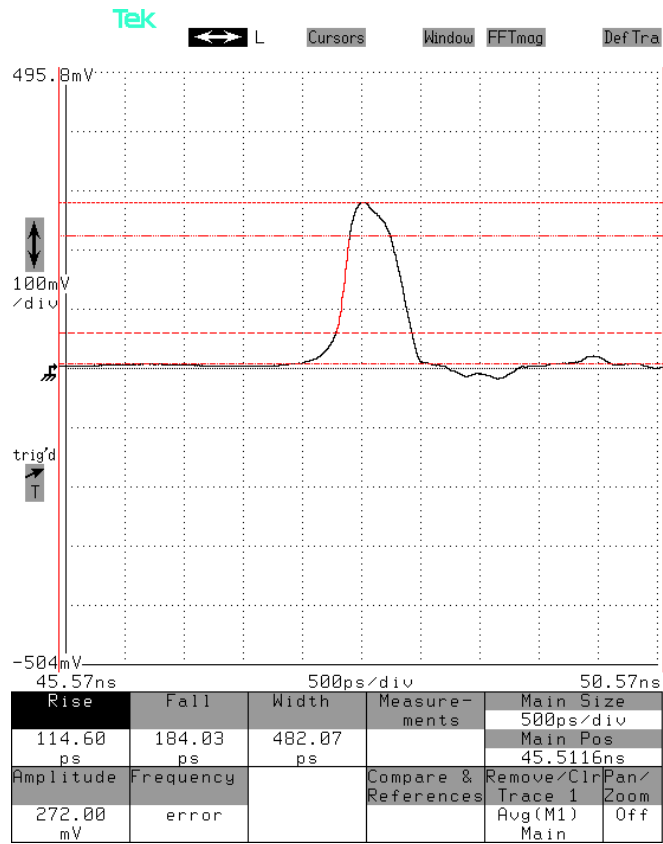
2 ns/div. 10 V/div (100 mV × 40 dB):

2 ns/div. 10 V/div (100 mV × 40 dB):



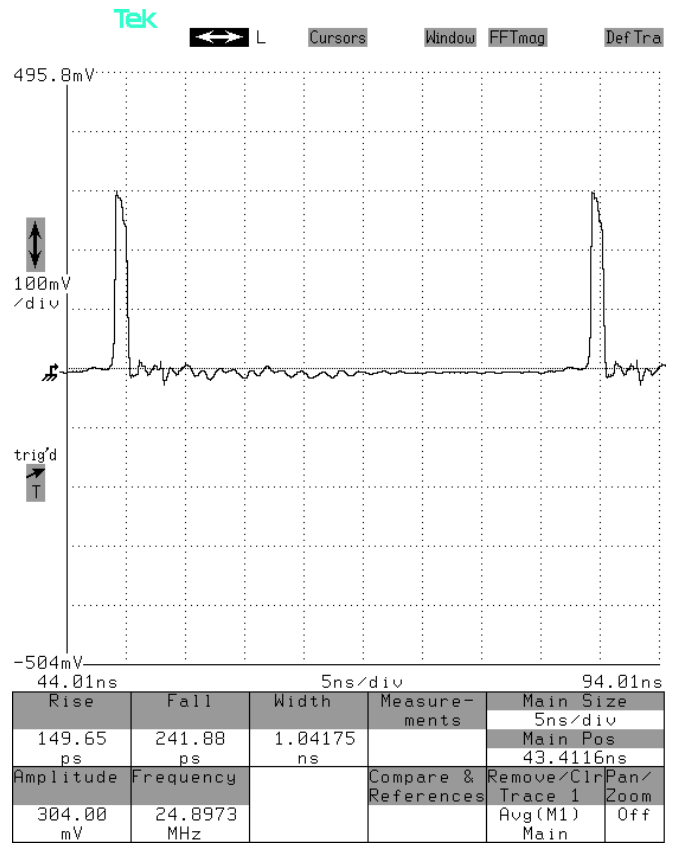
25 MHz, 500 ps, +30V into 50 Ohms:

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



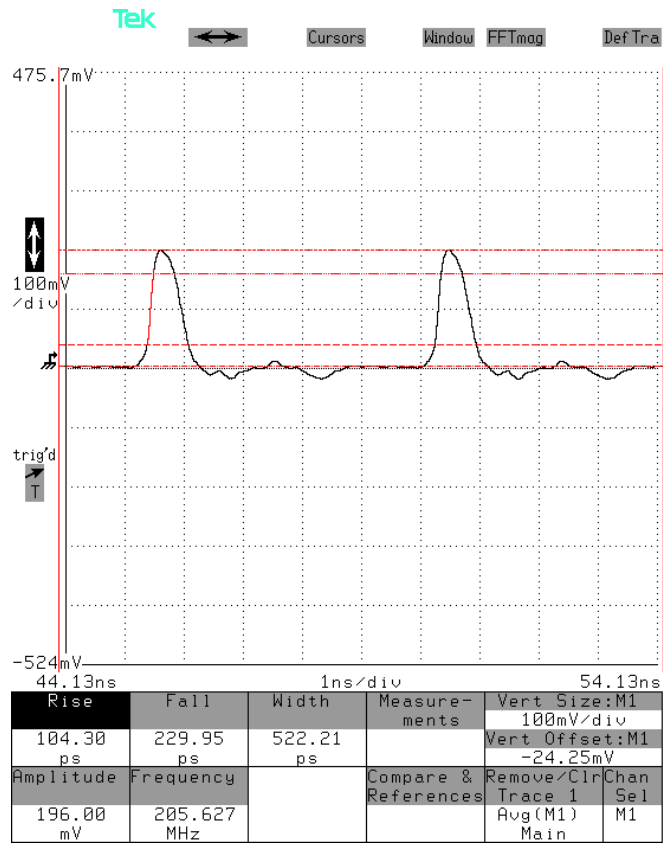
25 MHz, 1 ns, +30V into 50 Ohms:

5 ns/div. 10 V/div (100 mV × 40 dB):



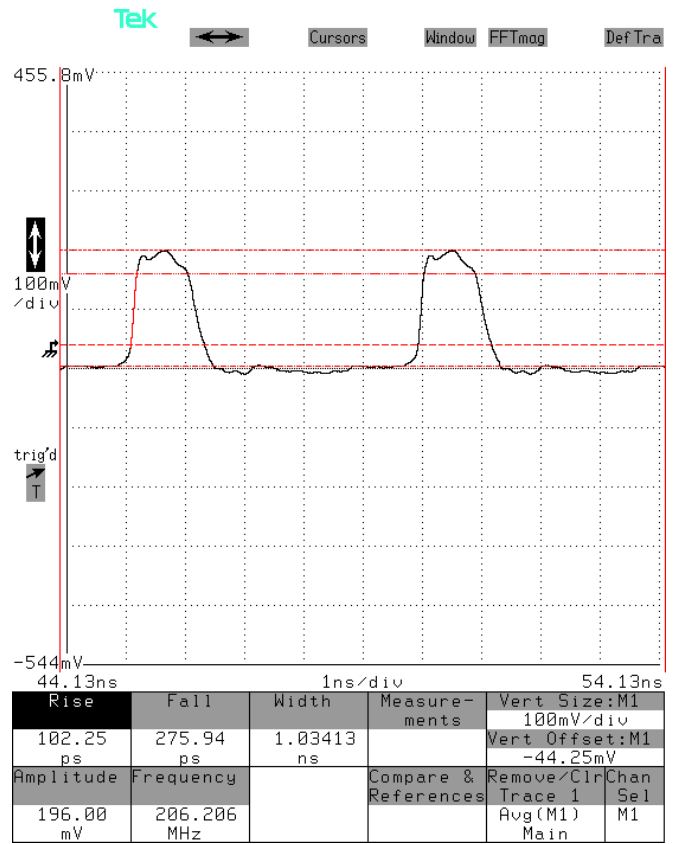
200 MHz, 500 ps, +20V into 50 Ohms:

1 ns/div. 10 V/div (100 mV × 40 dB):



200 MHz, 1 ns, +20V into 50 Ohms:

1 ns/div. 10 V/div (100 mV × 40 dB):



100 MHz, 400 ps, +30V into 50 Ohms:

2 ns/div. 10 V/div (100 mV × 40 dB):

