



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVN-1-C-P-PN-OT
Type: Ultra-High-Speed Pulse Generator
S.N.: 12148
Date: January 13, 2009

Max. Output Amplitude: 5V
Pulse Width (FWHM): 0.2 – 1 ns (< 200 MHz)
Rise Time (20%-80%): ≤ 100 ps
Fall Time (80%-20%): ≤ 150 ps (< 200 MHz)
PRF: 25 - 250 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

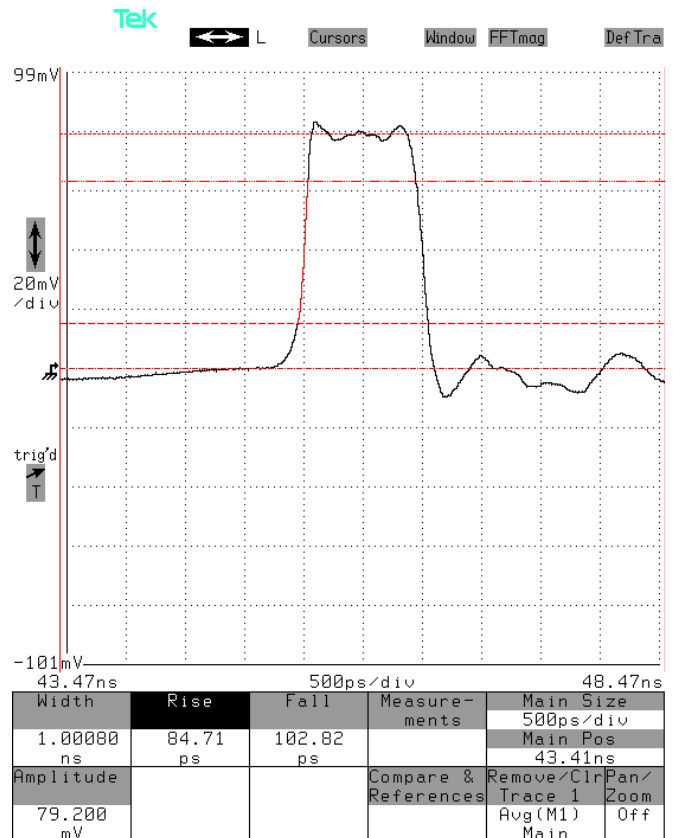
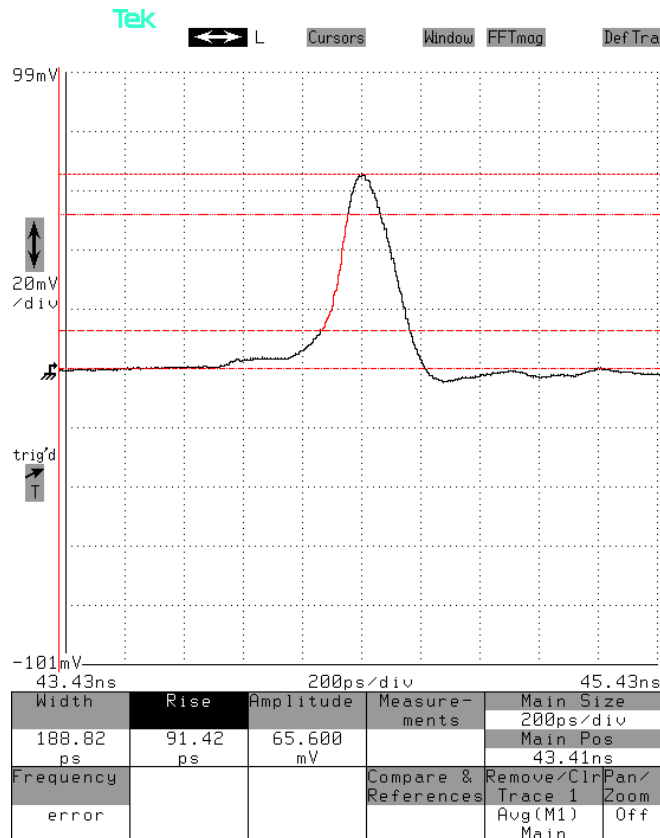
Test Waveforms

At 25 MHz and < 0.2 ns, > 5V:

At 25 MHz and > 1 ns, > 5V:

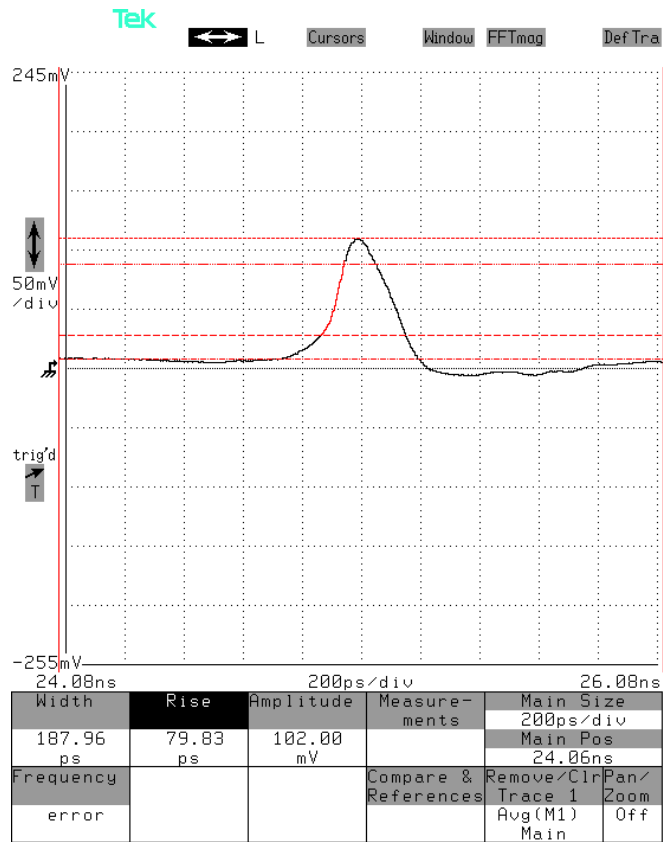
200 ps/div. 2 V/div (20 mV × 40 dB):

500 ps/div. 2 V/div (20 mV × 40 dB):



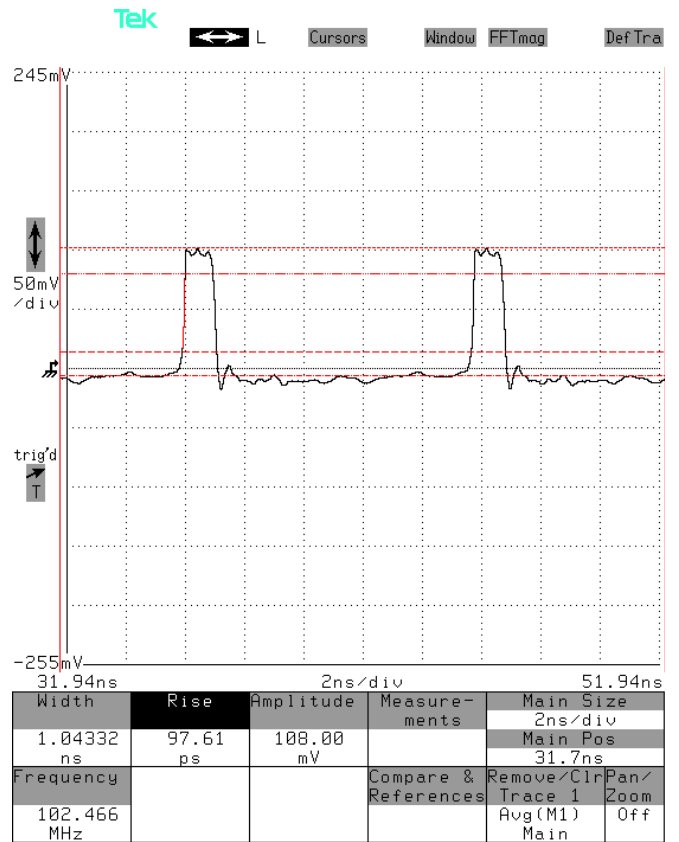
At 100 MHz and < 0.2 ns, > 5V:

200 ps/div. 5 V/div (50 mV × 40 dB):



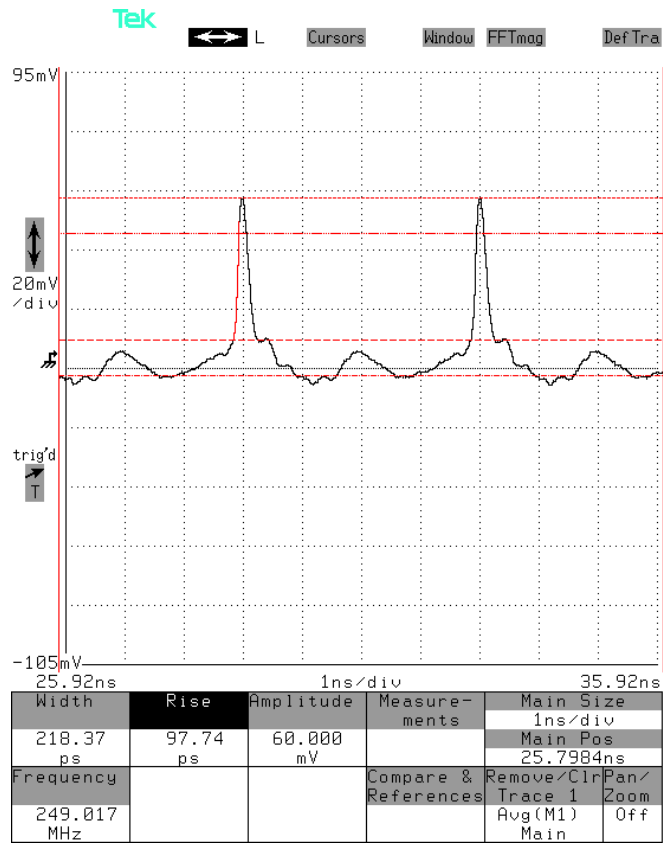
At 100 MHz and > 1 ns, > 5V:

2 ns/div. 5 V/div (50 mV × 40 dB):



At 250 MHz and 0.2 ns, > 5V:

1 ns/div. 2 V/div (20 mV × 40 dB):



At 250 MHz and 0.6 ns, > 5V:

2 ns/div. 2 V/div (20 mV × 40 dB):

