



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVN-4A-C-P-AC01-AT
Type: Ultra-High-Speed Pulse Generator
S.N.: 13018
Date: June 5, 2013

Output Amplitude: up to 15-20V, to 50Ω
Pulse Width (FWHM): 0.3 - 1 ns
Rise Time (20%-80%): ≤ 150 ps
Fall Time (80%-20%): ≤ 200 ps
PRF: 40 - 200 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

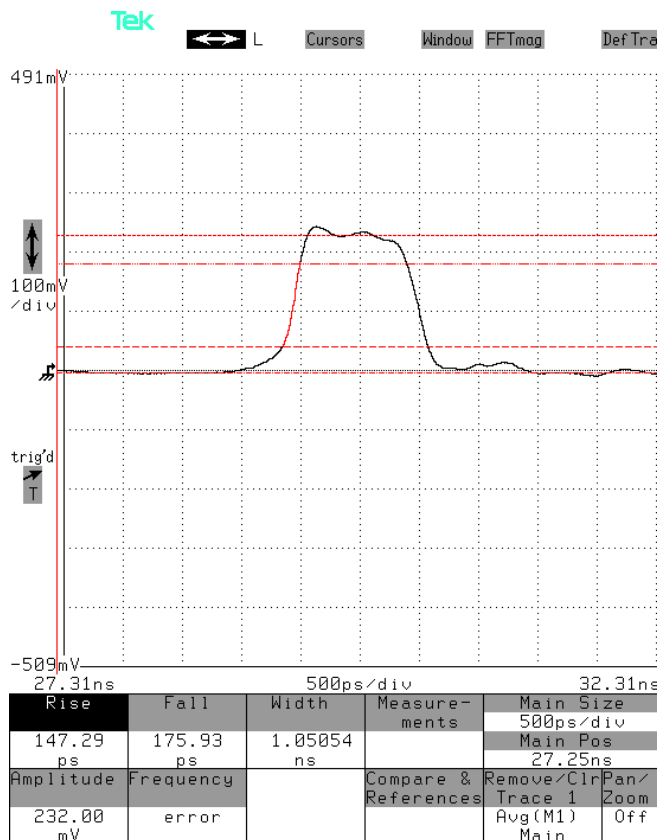
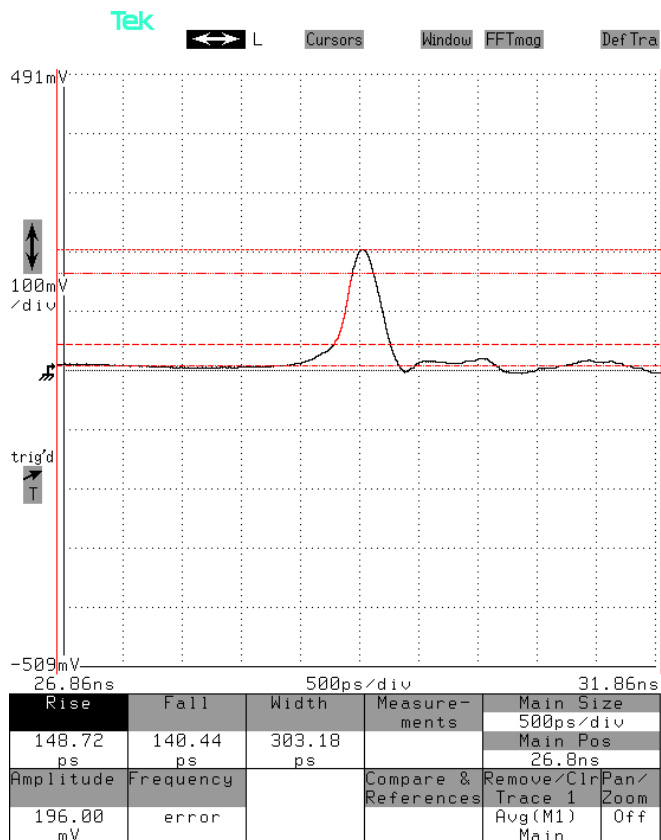
Test Waveforms

50 MHz, ~ 300 ps, ~ 20V into 50 Ohms:

50 MHz, > 1 ns, > 20V into 50 Ohms:

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

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



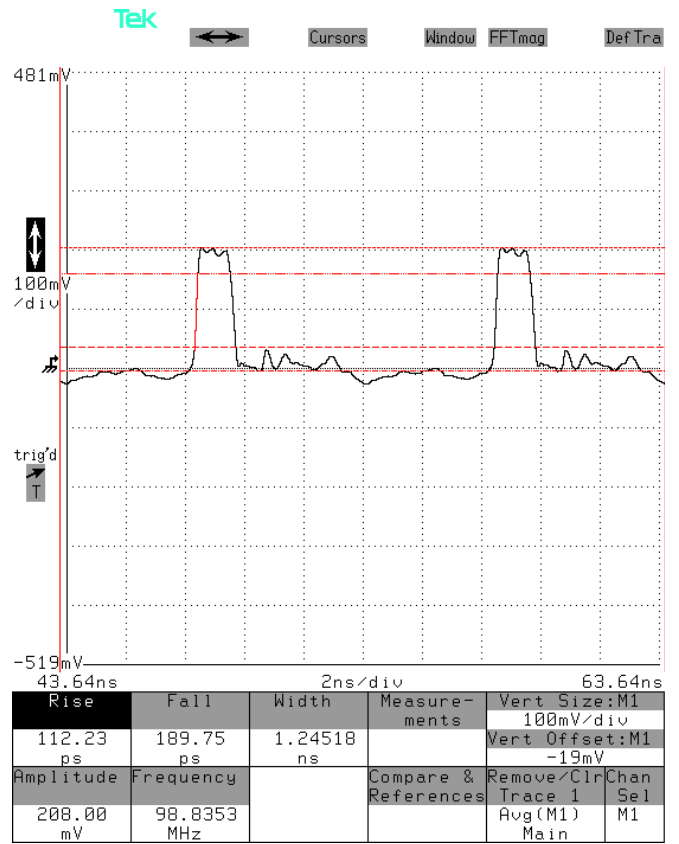
100 MHz, ~ 300 ps, ~ 20V into 50 Ohms:

2 ns/div. 10 V/div (100 mV × 40 dB):



100 MHz, > 1 ns, ~ 20V into 50 Ohms:

2 ns/div. 10 V/div (100 mV × 40 dB):



200 MHz, ~ 300 ps, > +15V into 50 Ohms:

1 ns/div. 10 V/div (100 mV × 40 dB):



200 MHz, ~ 700 ps, > +15V into 50 Ohms:

1 ns/div. 10 V/div (100 mV × 40 dB):

