



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVN-5A-C-N-PN-AC22-AK1-AK8-AT-OT-R5
Type: Ultra-High-Speed Pulse Generator
S.N.: 13241
Date: December 5, 2014

Output Amplitude: up to 20V-30V
Pulse Width (FWHM): 0.4-1 ns, 0.4-0.7 ns
Rise Time (20%-80%): ≤ 200 ps
Fall Time (80%-20%): ≤ 300 ps
PRF: 25 - 200 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

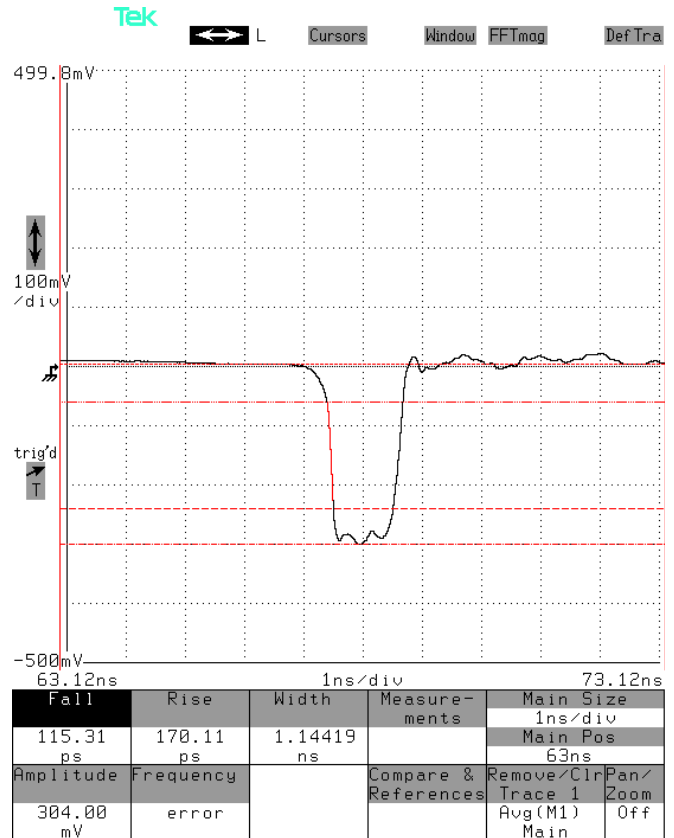
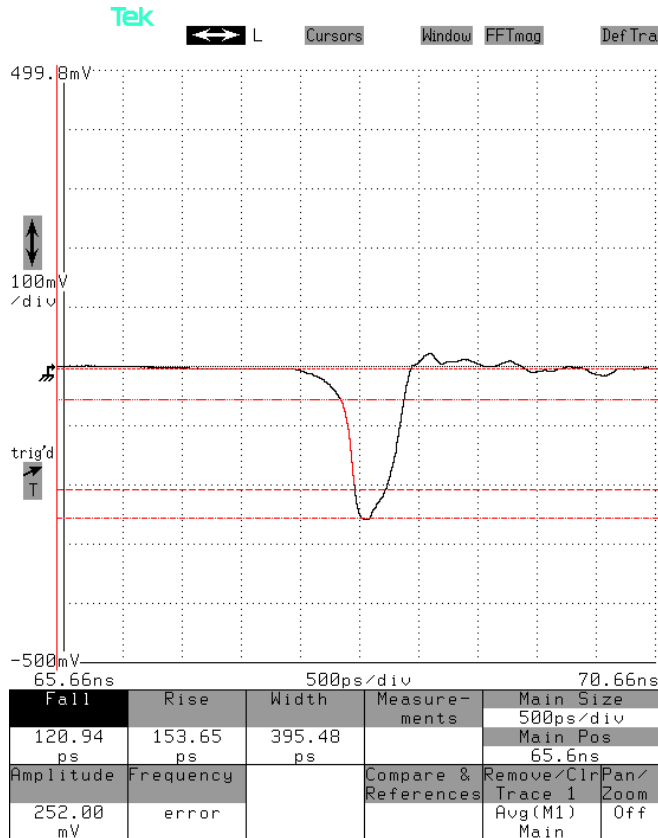
Test Waveforms

25 MHz, < 400 ps, > -25V into 50 Ohms:

25 MHz, > 1 ns, > -25V into 50 Ohms:

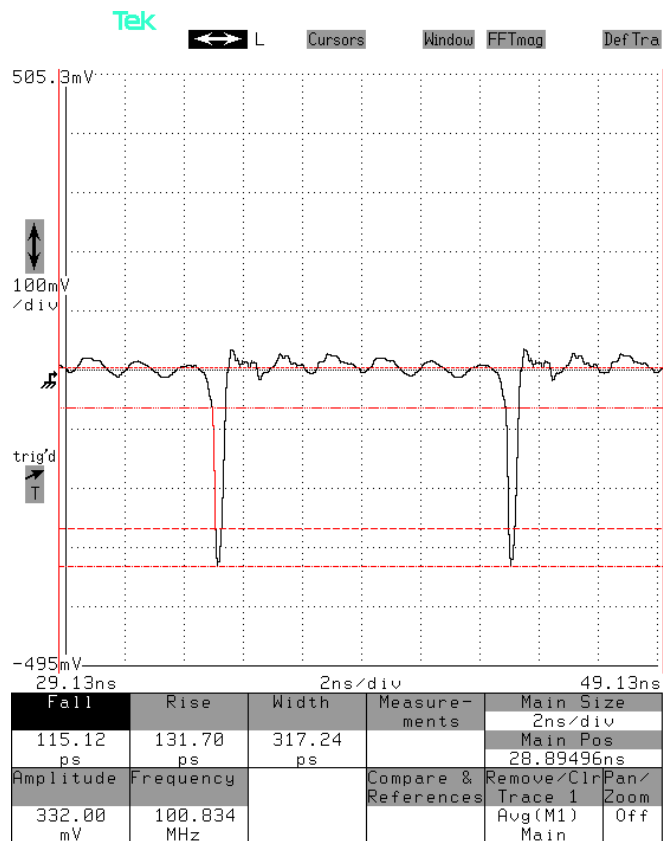
500 ps/div. 10 V/div (100 mV/div × 40 dB):

1 ns/div. 10 V/div (100 mV/div × 40 dB):



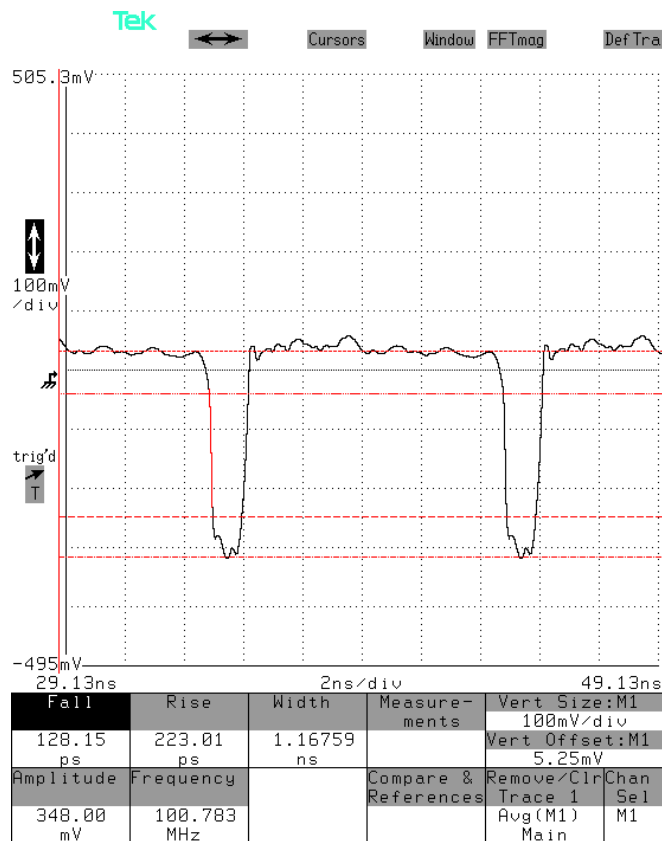
100 MHz, < 400 ps, > -30V into 50 Ohms:

2 ns/div. 10 V/div (100 mV/div × 40 dB):



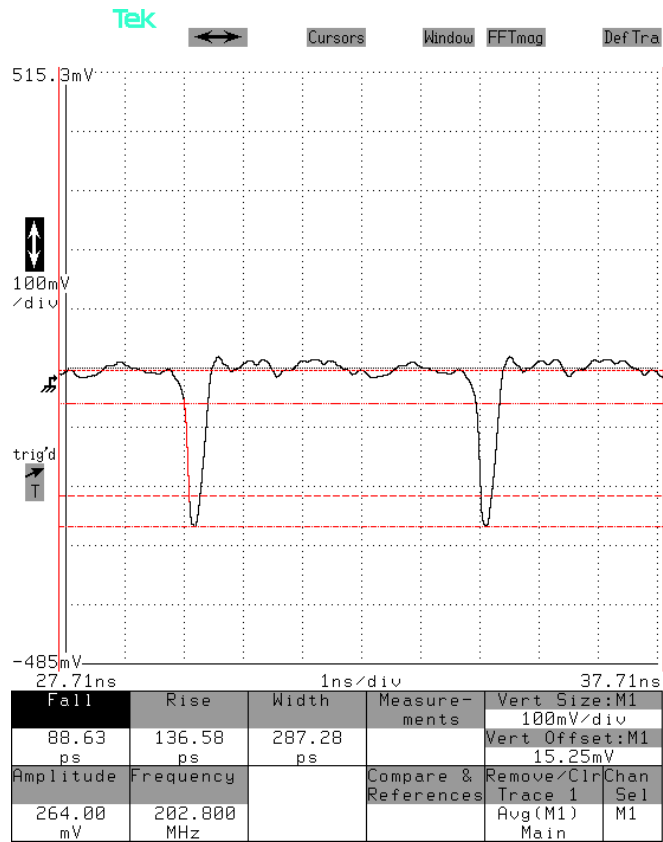
100 MHz, > 1 ns, > -30V into 50 Ohms:

2 ns/div. 10 V/div (100 mV/div × 40 dB):



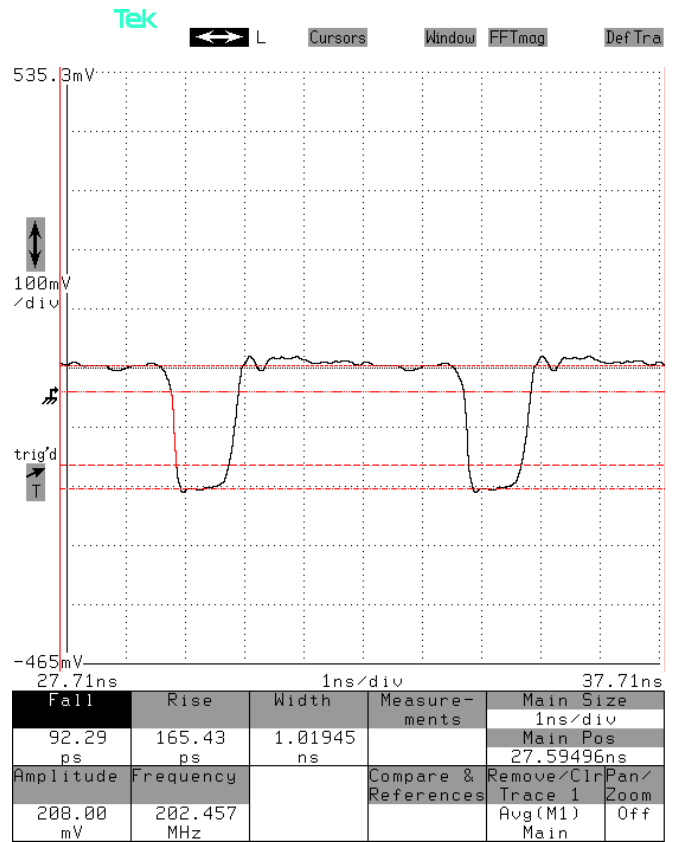
200 MHz, < 400 ps, > -20V into 50 Ohms:

1 ns/div. 10 V/div (100 mV/div × 40 dB):



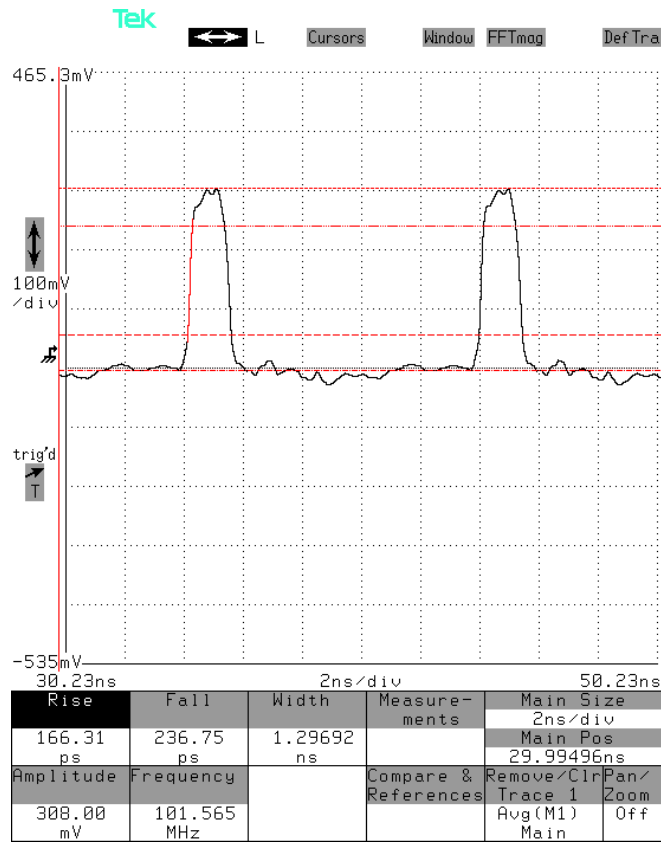
200 MHz, > 1 ns, > -20V into 50 Ohms:

2 ns/div. 10 V/div (100 mV/div × 40 dB):



100 MHz, > 1 ns, > +30V into 50 Ohms, using the accessory inverting transformer:

2 ns/div. 10 V/div (100 mV/div × 40 dB):



200 MHz, < 0.4 ns, > +20V into 50 Ohms, using the accessory inverting transformer:

1 ns/div. 10 V/div (100 mV/div × 40 dB):

