



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVN-3-C-P
Type: Ultra-High-Speed Pulse Generator
S.N.: 13585
Date: June 19, 2017

Max. Output Amplitude: 10V/15V
Pulse Width (FWHM): 0.3 to 0.7/1.0 ns
Rise Time (20%-80%): ≤ 150 ps
Fall Time (80%-20%): ≤ 250 ps
PRF: 25 - 250 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

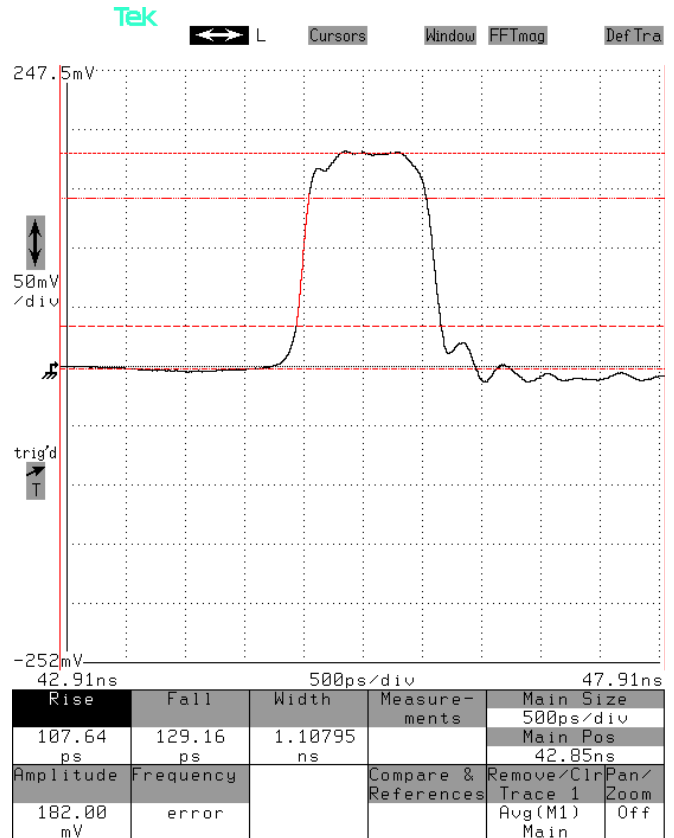
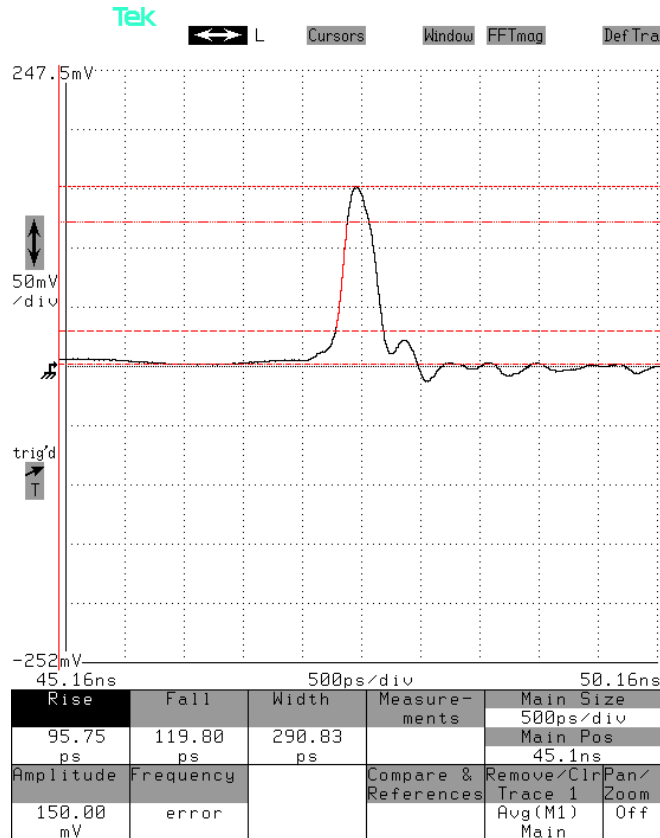
Test Waveforms

40 MHz, 15V, < 300 ps,

40 MHz, > 15V, > 1 ns,

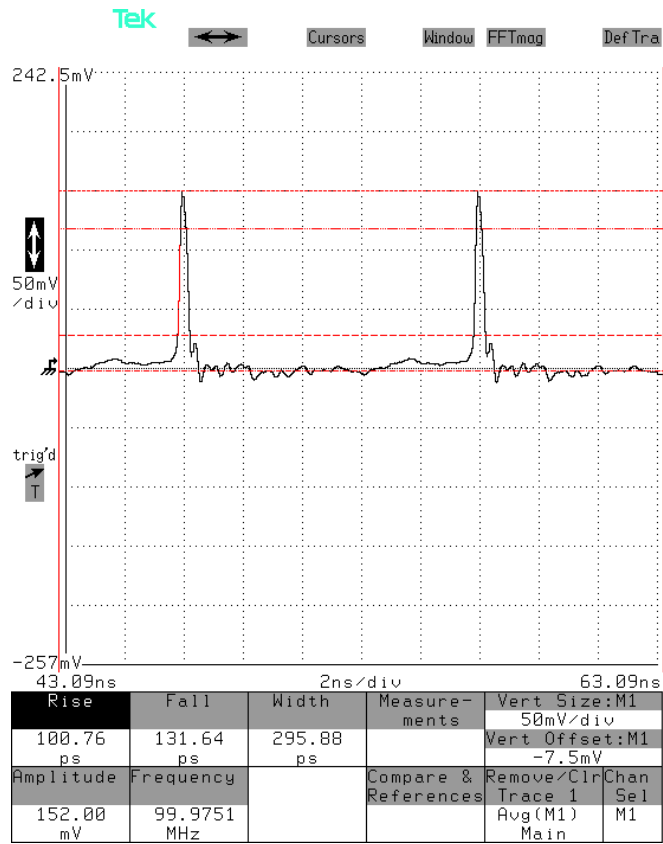
500 ps/div. 5 V/div (50 mV/div × 40 dB):

500 ps/div. 5 V/div (50 mV/div × 40 dB):



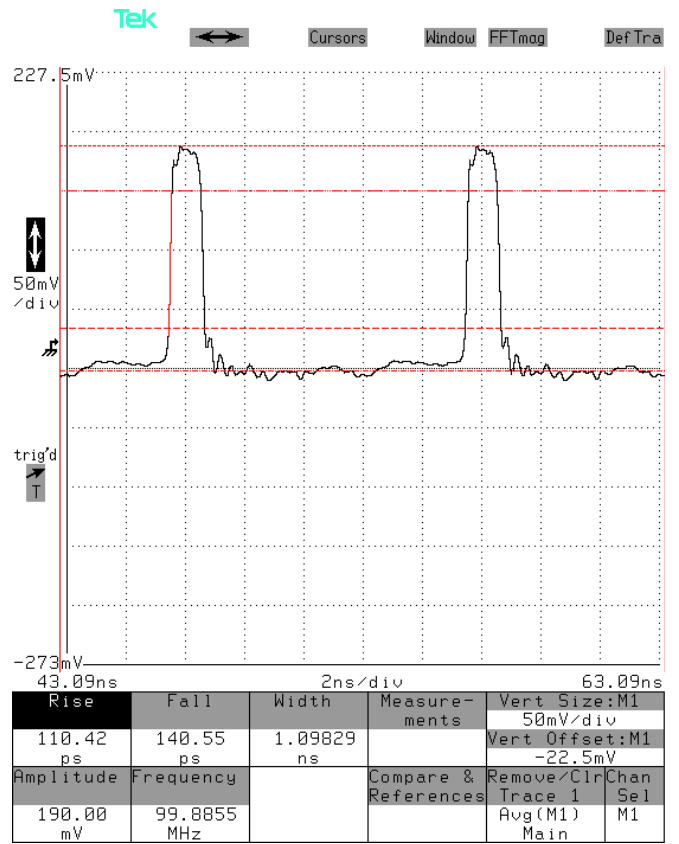
100 MHz, > 15V, < 300 ps,

2 ns/div. 5 V/div (50 mV/div × 40 dB):



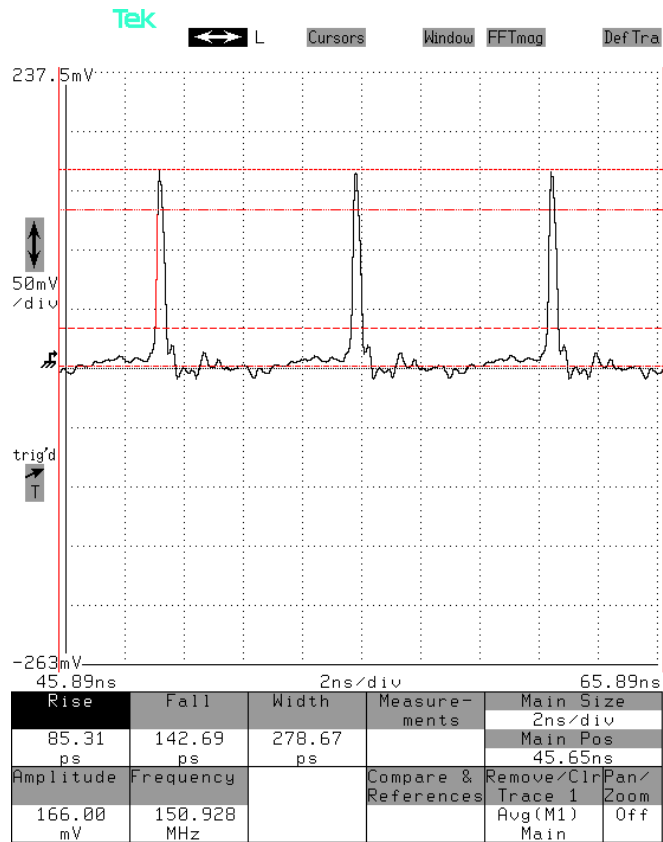
100 MHz, > 15V, > 1 ns,

2 ns/div. 5 V/div (50 mV/div × 40 dB):



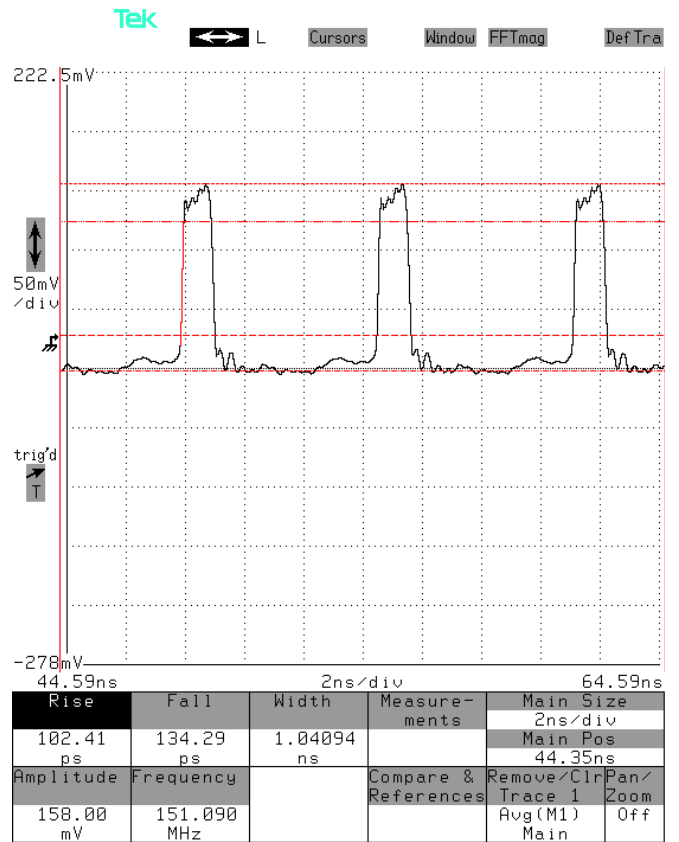
150 MHz, > 15V, < 300 ps,

2 ns/div. 5 V/div (50 mV/div × 40 dB):



150 MHz, > 15V, > 1 ns,

2 ns/div. 5 V/div (50 mV/div × 40 dB):



200 MHz, > 10V, < 0.3 ns,

2 ns/div. 5 V/div (50 mV/div × 40 dB):



200 MHz, > 10V, > 0.7 ns,

1 ns/div. 5 V/div (50 mV/div × 40 dB):

