



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AV-1030-C-AC03
Type: Ultra-High-Speed Pulse Generator
S.N.: 13155
Date: May 7, 2014

Output Amplitude: up to $\pm 5V$, to 50 Ω
Pulse Width (FWHM): 10 ns – 1 ms
Rise Time (20%-80%): ≤ 300 ps
Fall Time (80%-20%): ≤ 350 ps
PRF: 1 Hz - 10 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: \rightarrow

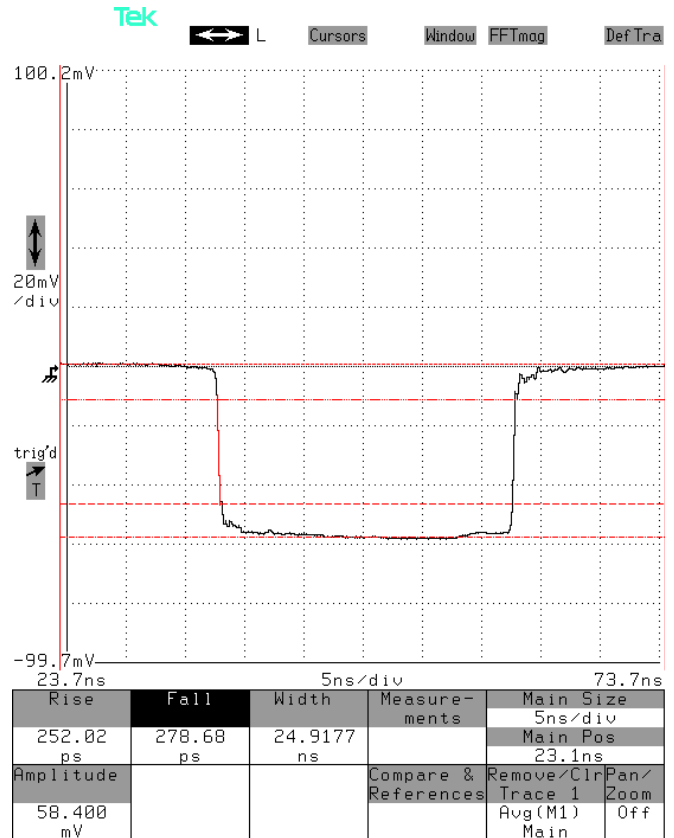
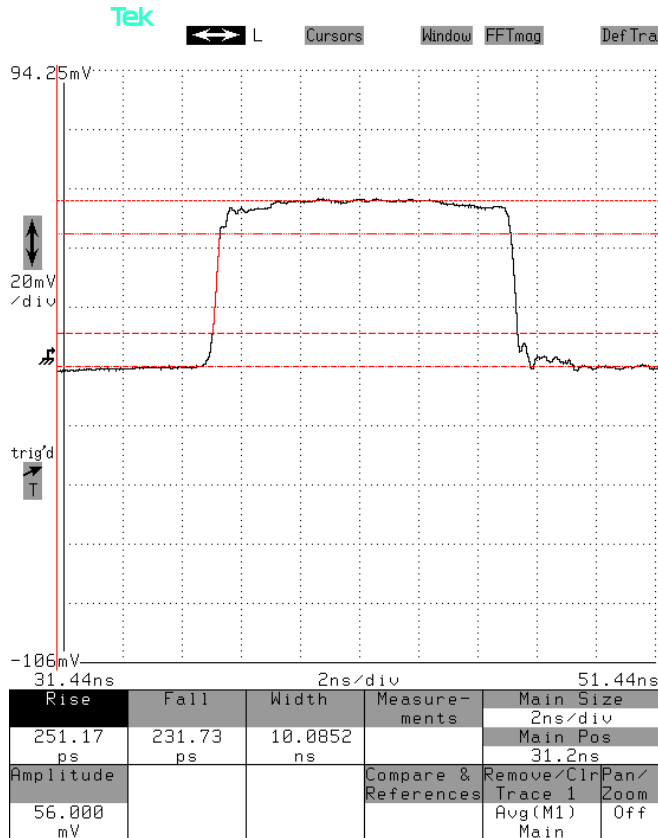
Test Waveforms

10 MHz, > +5V, 10 ns PW:

1 MHz, > -5V, 25 ns PW:

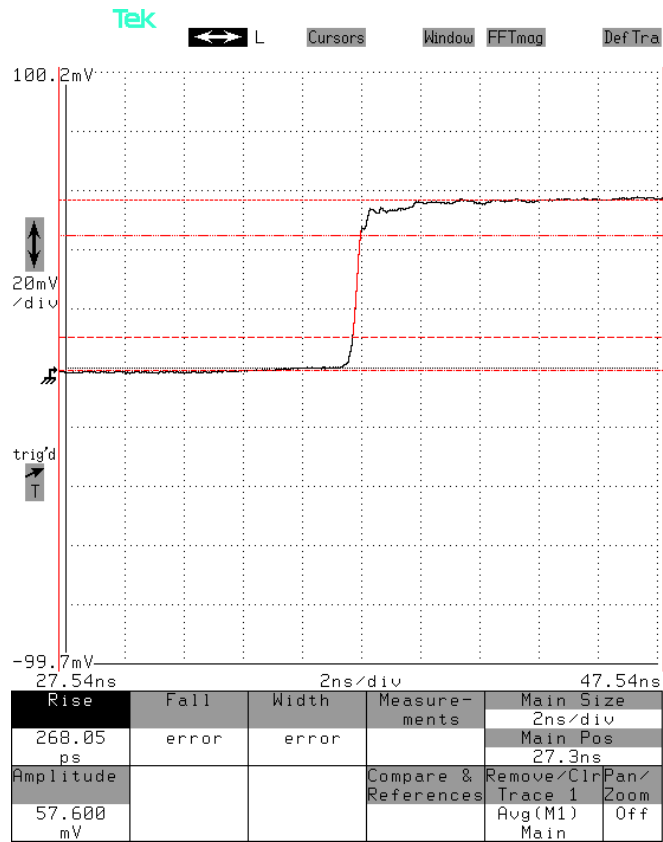
2 ns/div. 2 V/div (20 mV/div \times 40 dB):

5 ns/div. 2 V/div (20 mV/div \times 40 dB):



10 kHz, > +5V, 100 ns PW, rising edge shown,

2 ns/div. 2 V/div (20 mV/div × 40 dB):



10 kHz, > +5V, 100 ns PW, falling edge shown,

2 ns/div. 2 V/div (20 mV/div × 40 dB):

