



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVPP-1-B-AK1-PN-TNT-R5
Type: Ultra-High-Speed Pulse Generator
S.N.: 12552
Date: December 15, 2010

Output Amplitude: 0 to $\pm 10V$, to 50 Ω
Pulse Width (FWHM): 0.4 – 100 ns
Rise Time (20%-80%): ≤ 100 ps or 150 ps
Fall Time (80%-20%): ≤ 120 ps or 350 ps
PRF: 1 Hz - 1 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

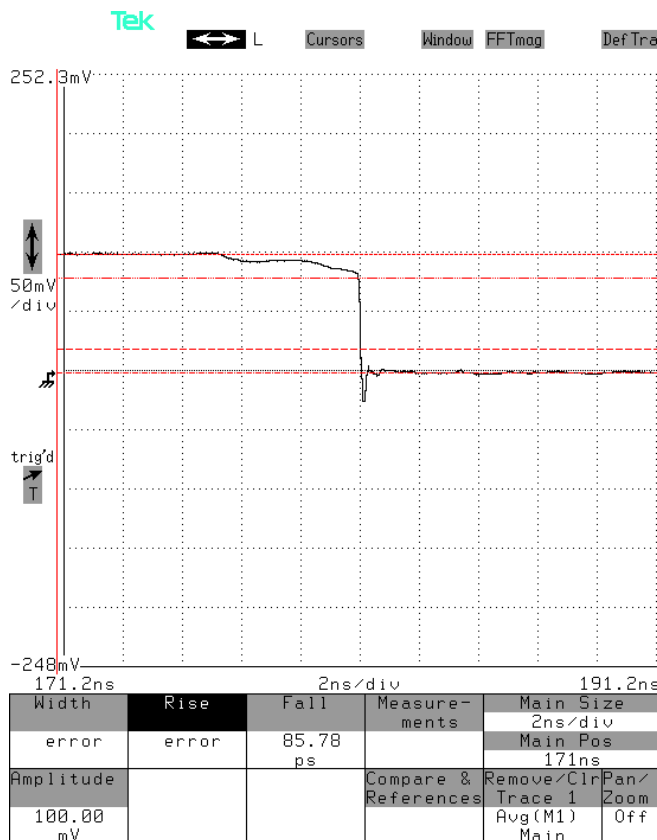
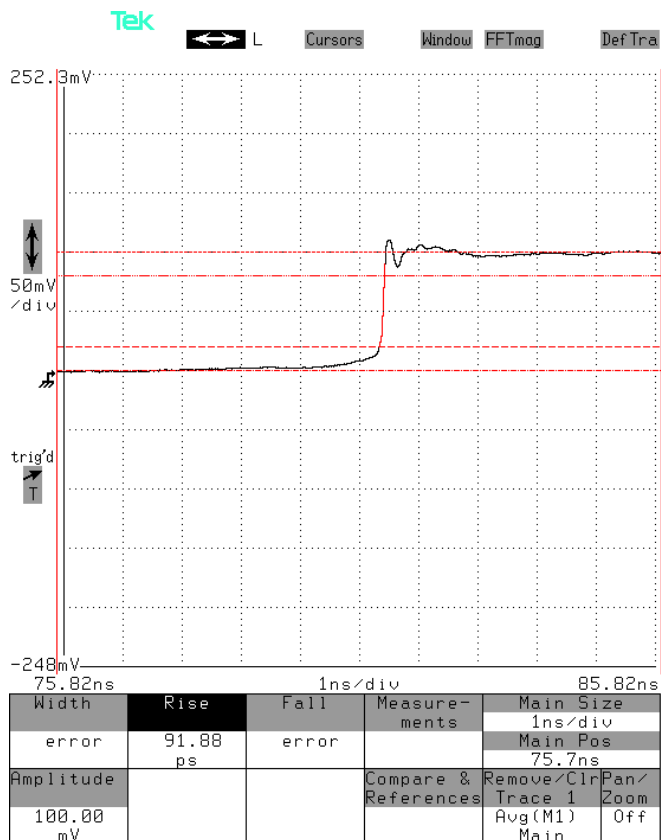
Test Waveforms

Leading edge at 100 kHz, 100 ns, +10V,

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

Trailing edge at 100 kHz, 100 ns, +10V,

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



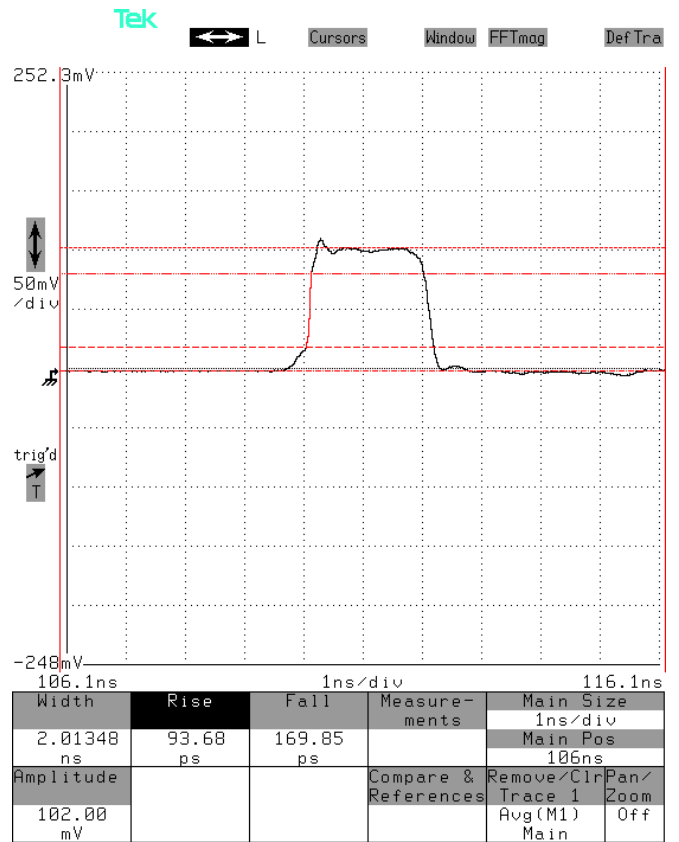
Full pulse at 100 kHz, 100 ns, +10V,

20 ns/div. 5 V/div (50 mV × 40 dB):



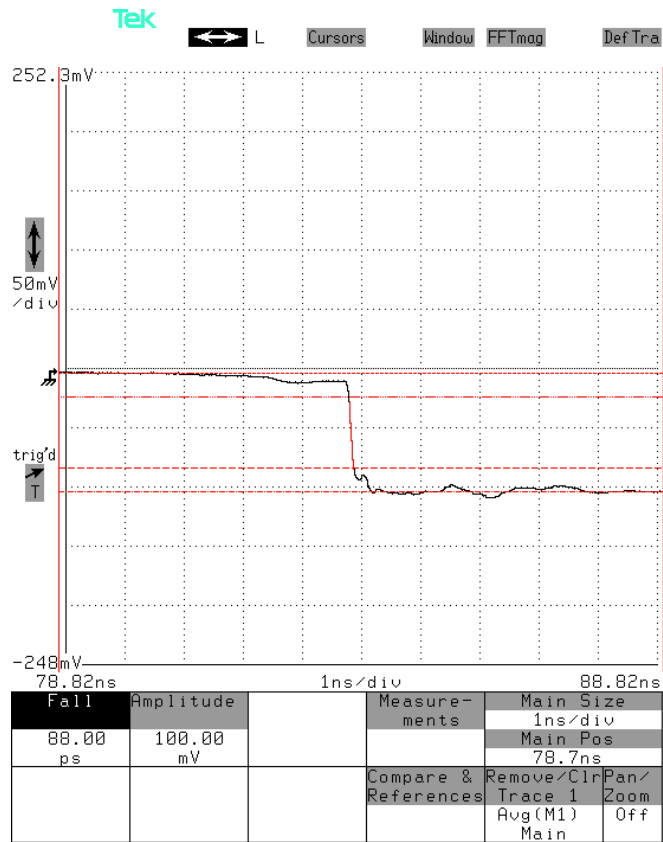
Full pulse at 100 kHz, 2 ns, +10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



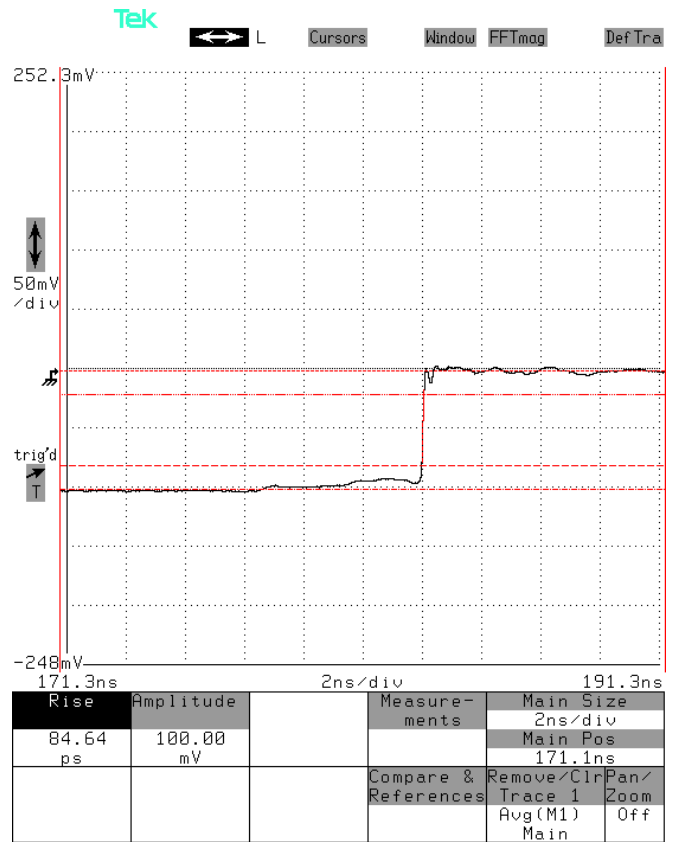
Leading edge at 100 kHz, 100 ns, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



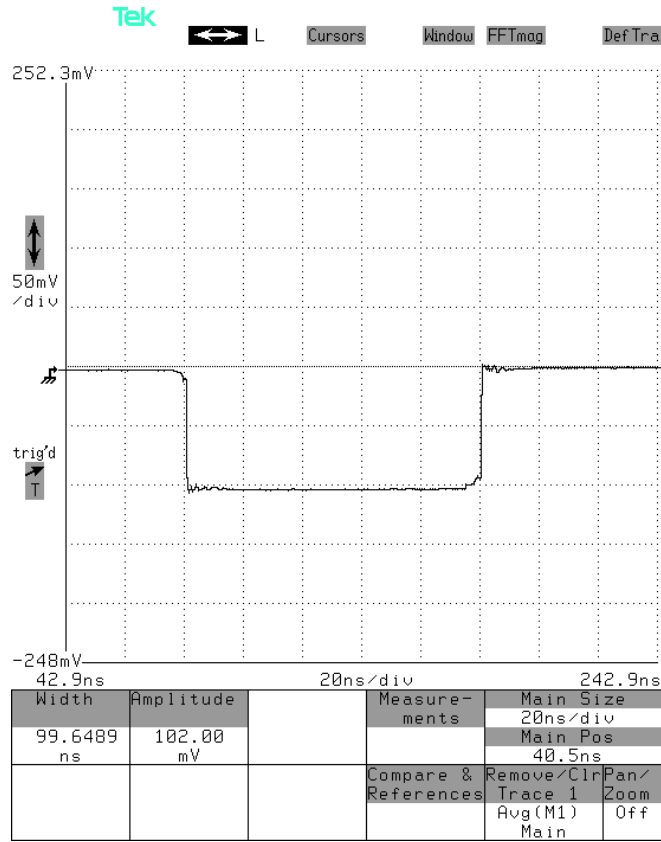
Trailing edge at 100 kHz, 100 ns, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



Full pulse at 100 kHz, 100 ns, -10V,

20 ns/div. 5 V/div (50 mV × 40 dB):



Full pulse at 100 kHz, 2 ns, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):

