



# 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-PN-M  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12491  
Date: June 25, 2010

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

Basic specifications: →

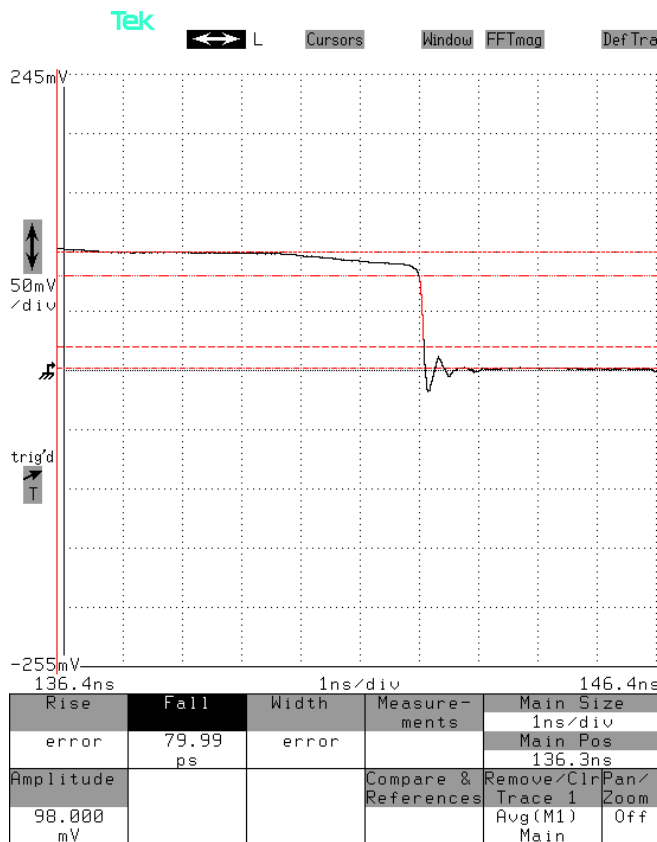
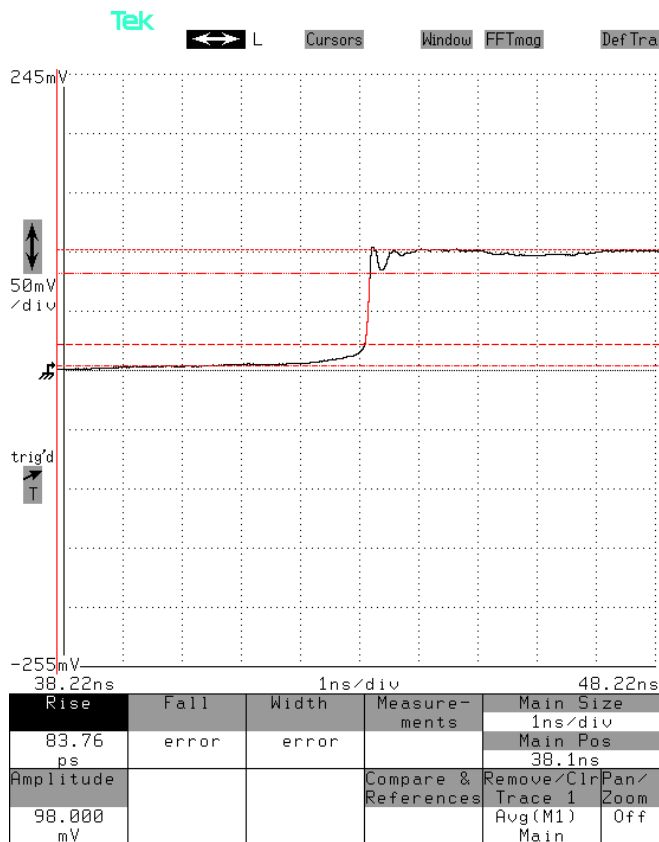
### Test Waveforms

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

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

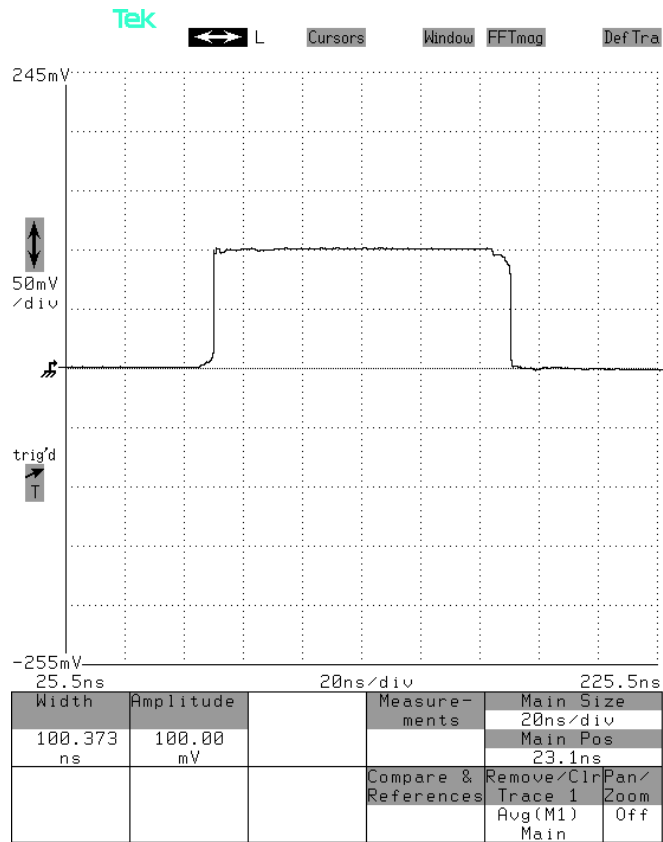
Trailing edge at 100 kHz, 100 ns, +10V,

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



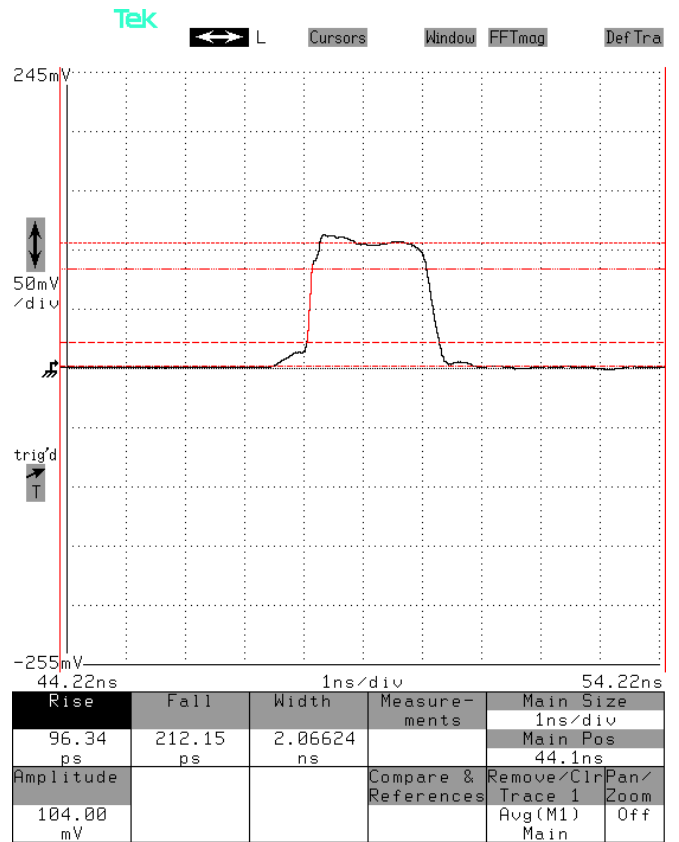
Full pulse at 100 kHz, 100 ns, +10V,

20 ns/div. 5 V/div (50 mV × 40 dB):



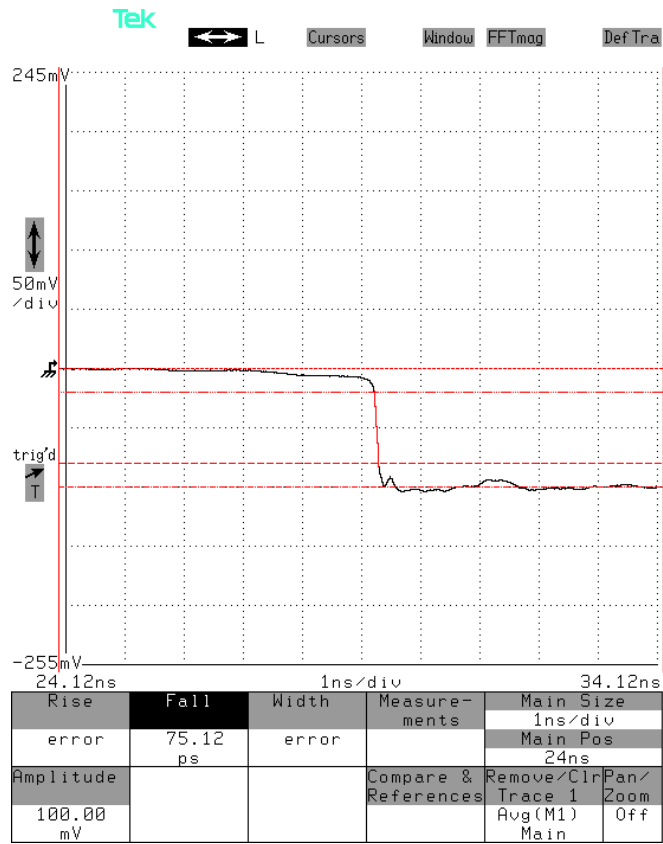
Full pulse at 100 kHz, 2 ns, +10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



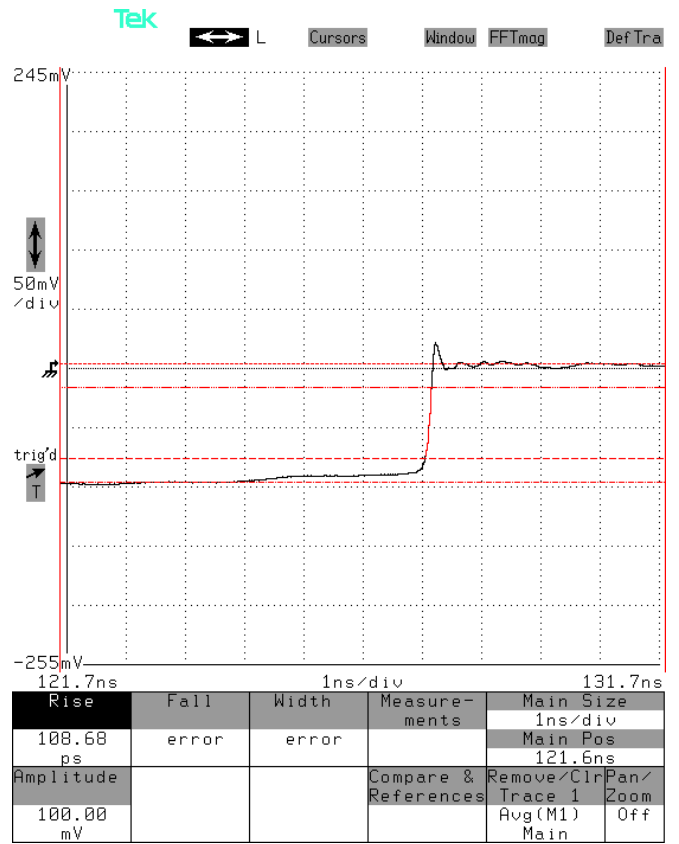
Leading edge at 100 kHz, 100 ns, -10V,

1 ns/div. 5 V/div (50 mV × 40 dB):



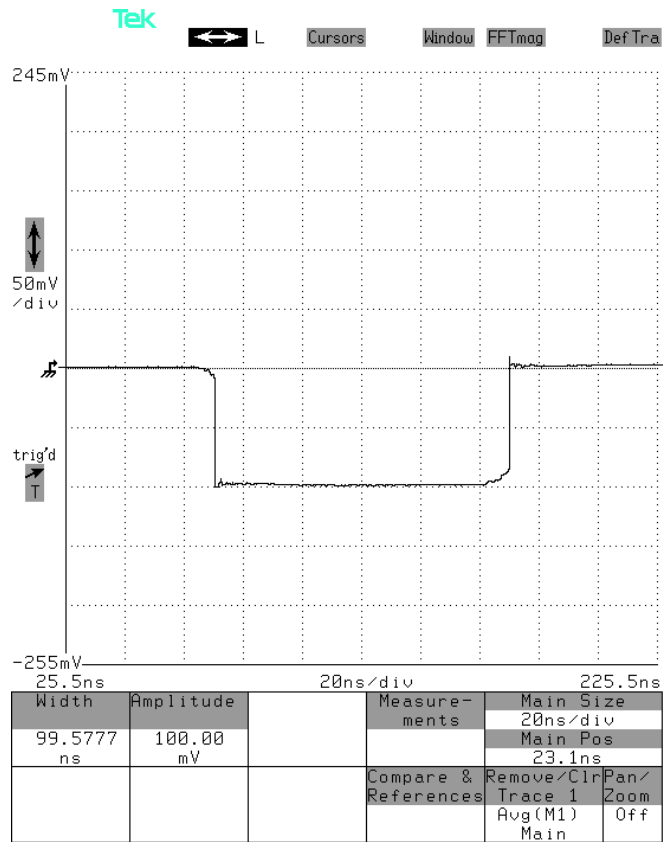
Trailing edge at 100 kHz, 100 ns, -10V,

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):

