



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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OTTAWA, ONTARIO  
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## PERFORMANCE CHECKSHEET

Model: AVPP-1-C-N-OT  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 11886  
Date: January 10, 2008

Output Amplitude: 0 to -10V, to 50Ω  
Pulse Width (FWHM): 0.2 ns – 100 ns  
Rise Time (20%-80%): ≤ 100 ps  
Fall Time (80%-20%): ≤ 120 ps, 350 ps  
PRF: 1 Hz - 1 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

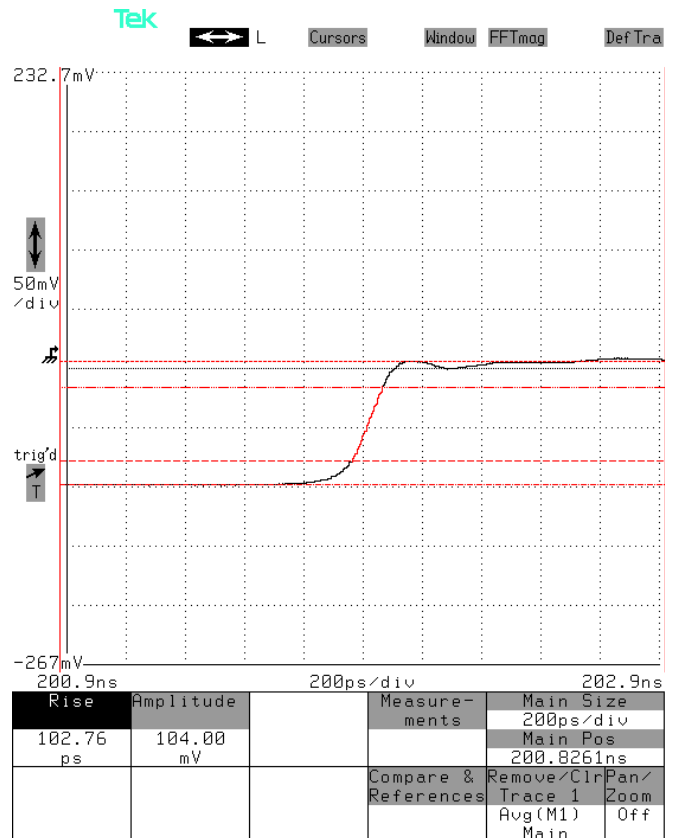
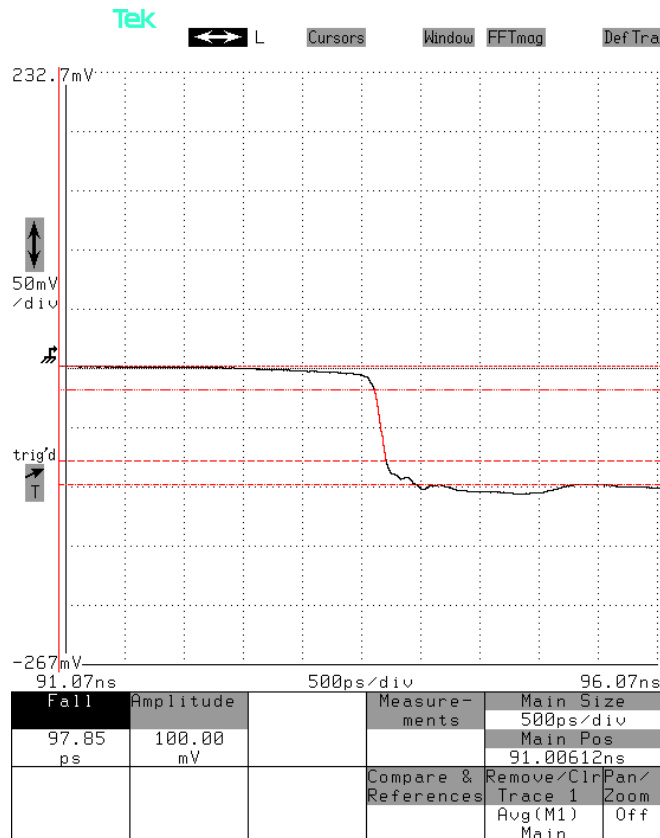
### Test Waveforms

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

500 ps/div. 5 V/div (50 mV × 40 dB):

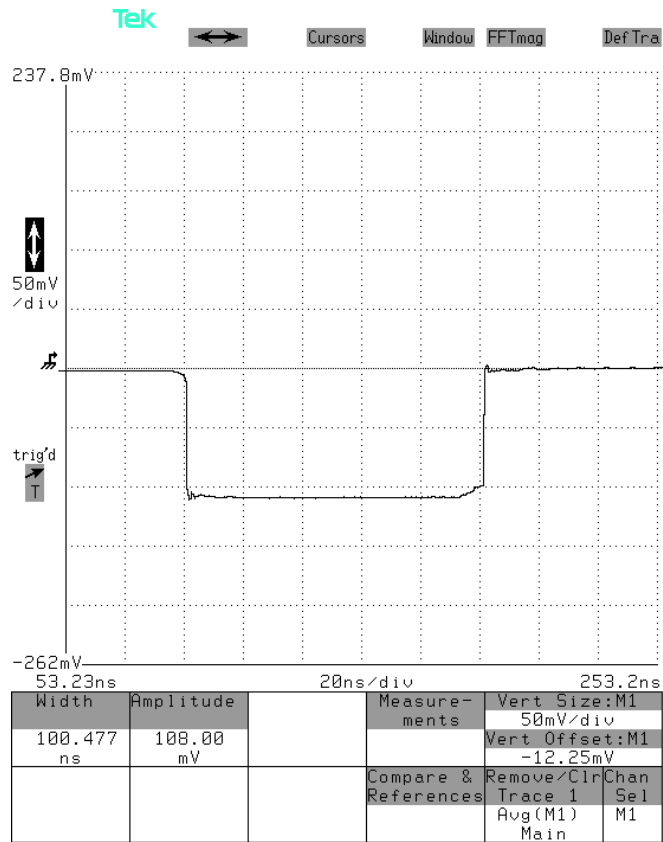
Trailing edge at 100 kHz, 100 ns, -10V,

200 ps/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, < 0.2 ns, -10V,

200 ps/div. 5 V/div (50 mV × 40 dB):

