



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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BOX 5120, LCD MERIVALE  
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CANADA K2C 3H4

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## PERFORMANCE CHECKSHEET

Model: AVP-AV-1-C-DPN-AK1  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 11655  
Date: February 1, 2007

Output Amplitude: 0 to  $\pm 7V$ , to 50 $\Omega$   
Pulse Width (FWHM): 0.2 – 4 ns  
Rise Time (20%-80%):  $\leq 100$  ps  
Fall Time (80%-20%):  $\leq 200$  ps  
PRF: 1 Hz - 1 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

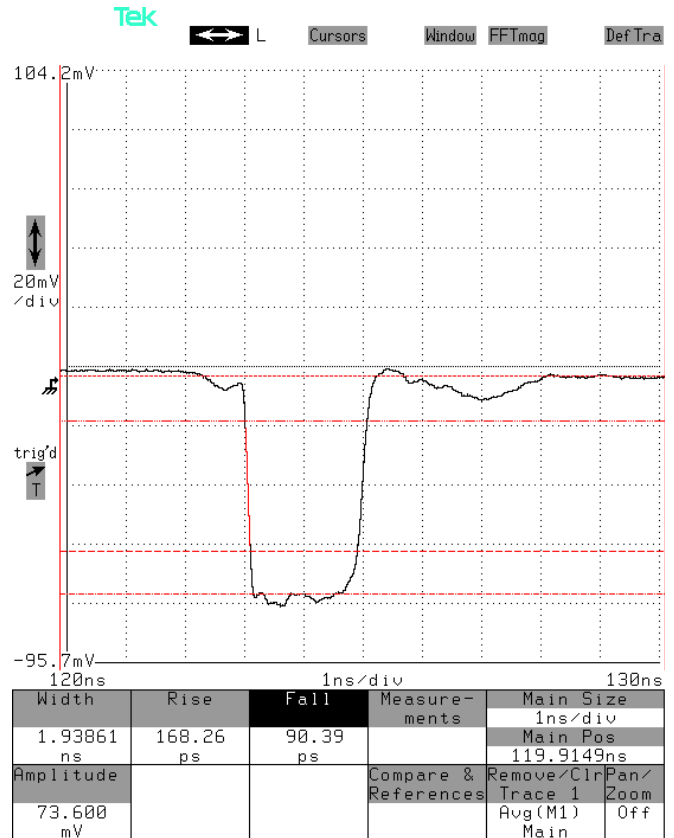
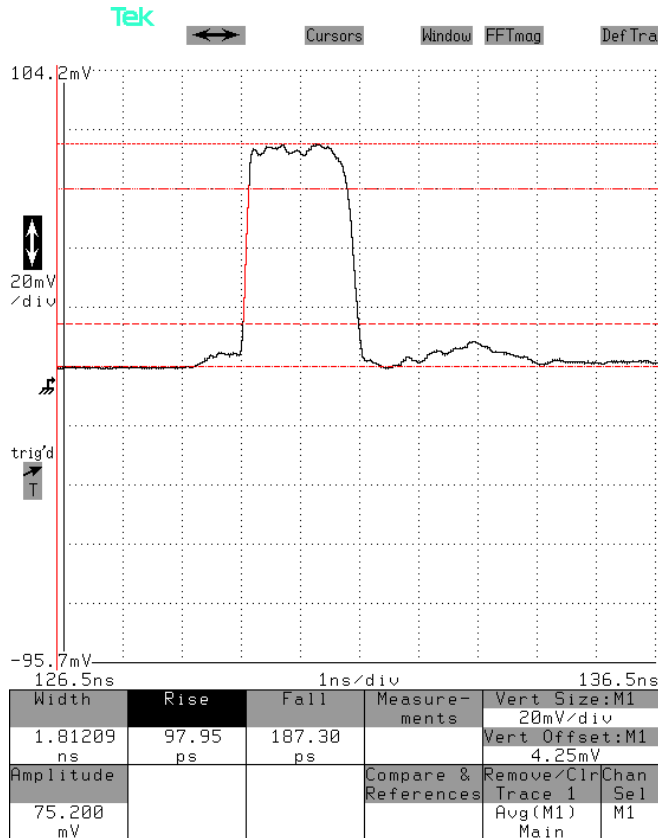
### Test Waveforms

+7V output, 100 kHz, 2 ns PW:

-7V output, 100 kHz, 2 ns PW:

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

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



±7V output, 100 kHz, 2 ns PW, 5 ns delay:

2 ns/div. 5 V/div (50 mV × 40 dB):

