



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

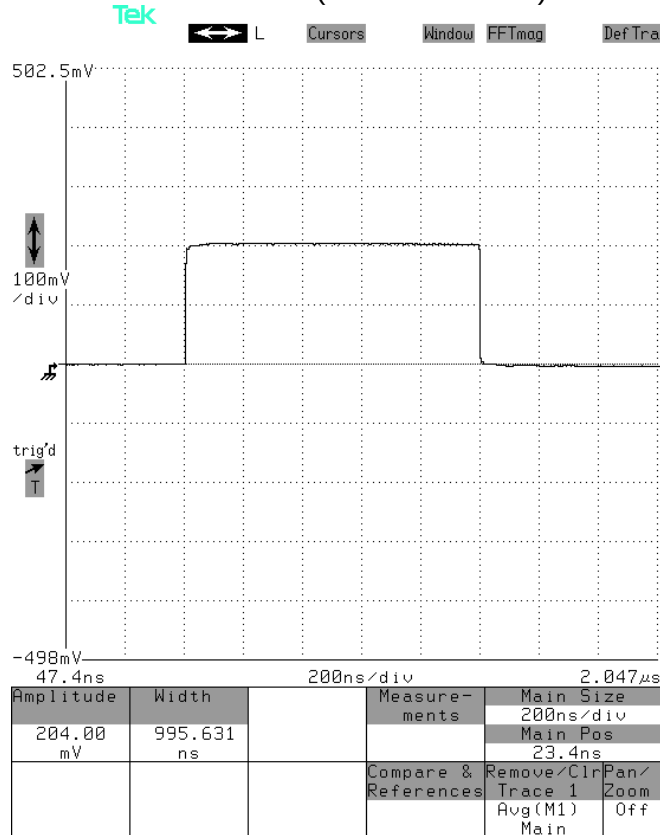
Model: AVPP-2A-B-AK1-EA-PN-R5-M  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 11489  
Date: June 8, 2006

Output Amplitude: 0 to  $\pm 20V$ , to 50 $\Omega$   
Pulse Width (FWHM): 0.6 ns – 1  $\mu s$   
Rise Time (20%-80%):  $\leq 250$  ps  
Fall Time (80%-20%):  $\leq 350 - 500$  ps  
PRF: 1 Hz - 100 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

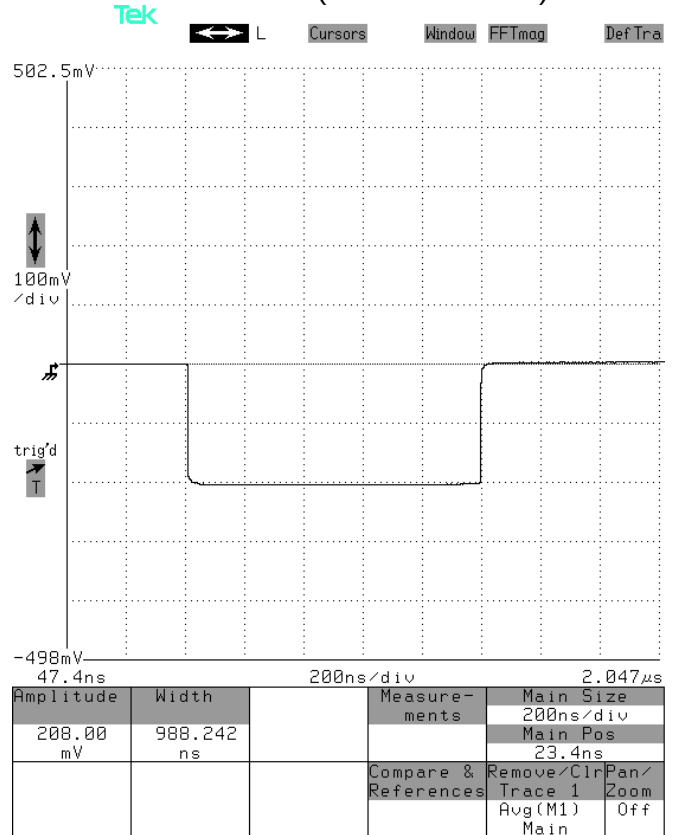
Basic specifications: →

### Test Waveforms

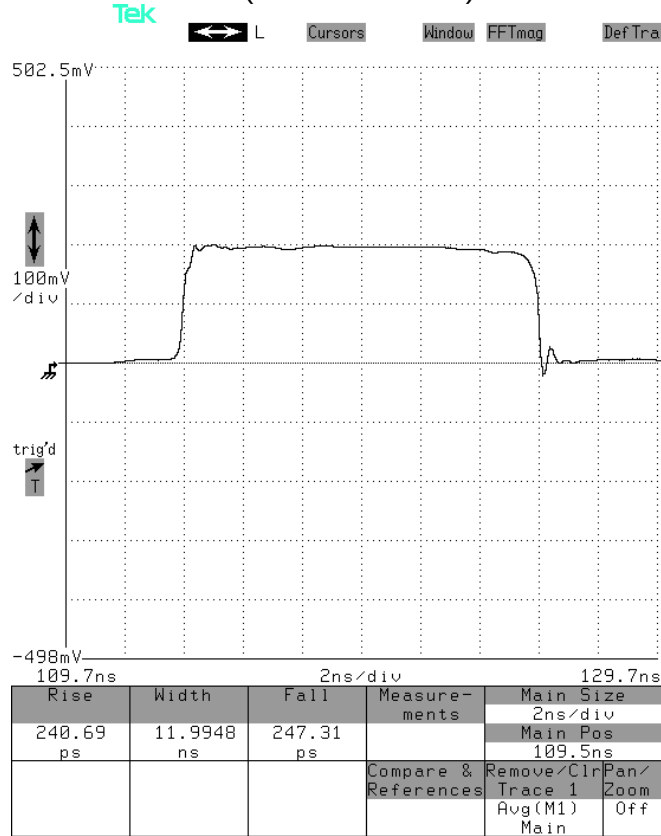
1  $\mu s$ , 10 kHz, +20V.  
200 ns ns/div. 10 V/div (100 mV  $\times$  40 dB):



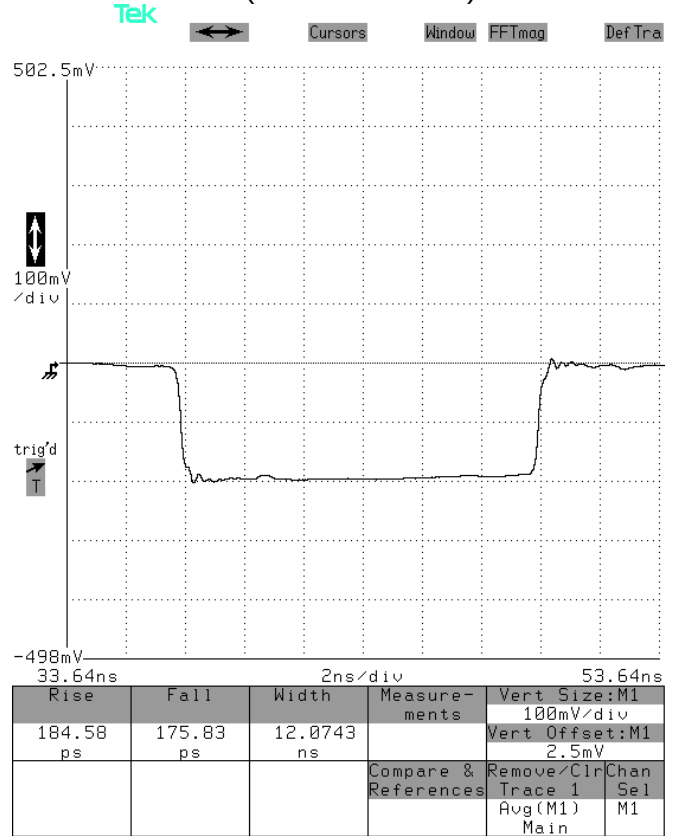
1  $\mu s$ , 10 kHz, -20V.  
200 ns ns/div. 10 V/div (100 mV  $\times$  40 dB):



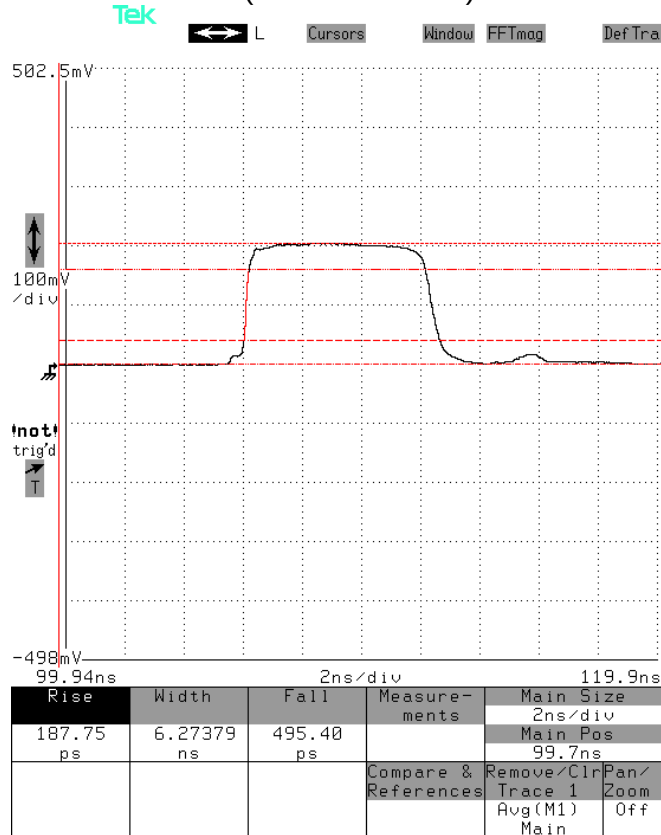
12 ns, 10 kHz, +20V.  
2 ns/div. 10 V/div (100 mV × 40 dB):



12 ns, 10 kHz, -20V.  
2 ns/div. 10 V/div (100 mV × 40 dB):



6 ns, 10 kHz, +20V.  
2 ns/div. 10 V/div (100 mV × 40 dB):



6 ns, 10 kHz, -20V.  
2 ns/div. 10 V/div (100 mV × 40 dB):

