



# 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: AVR-S3-B-PN-X1  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 12585  
Date: February 9, 2011

Output Amplitude: up to  $\pm 200V$ , to 50 $\Omega$   
Pulse Width (FWHM): 100 ns – 5  $\mu s$   
Rise Time (20%-80%):  $\leq 2$  ns  
Fall Time (80%-20%):  $\leq 2$  ns  
PRF: 1 Hz - 10 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

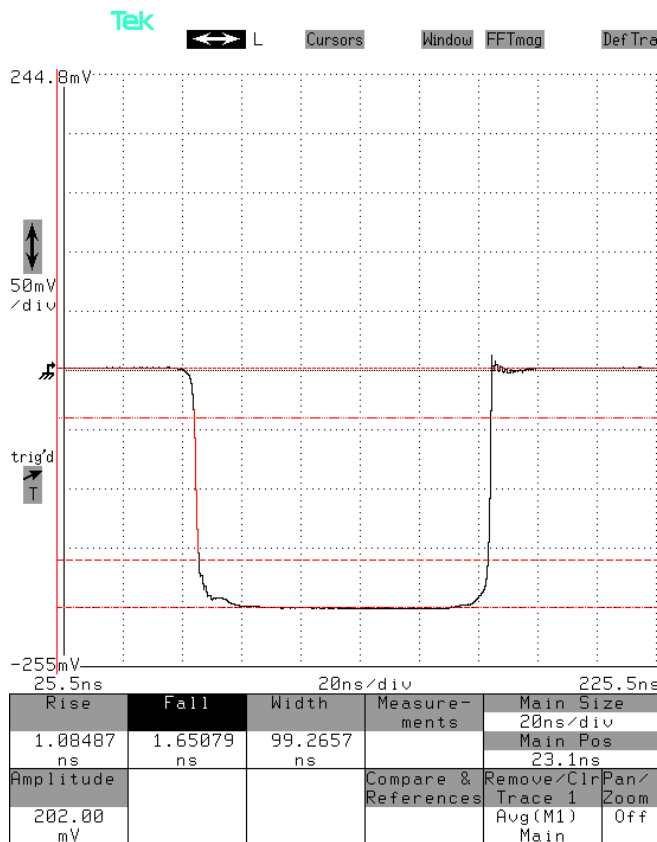
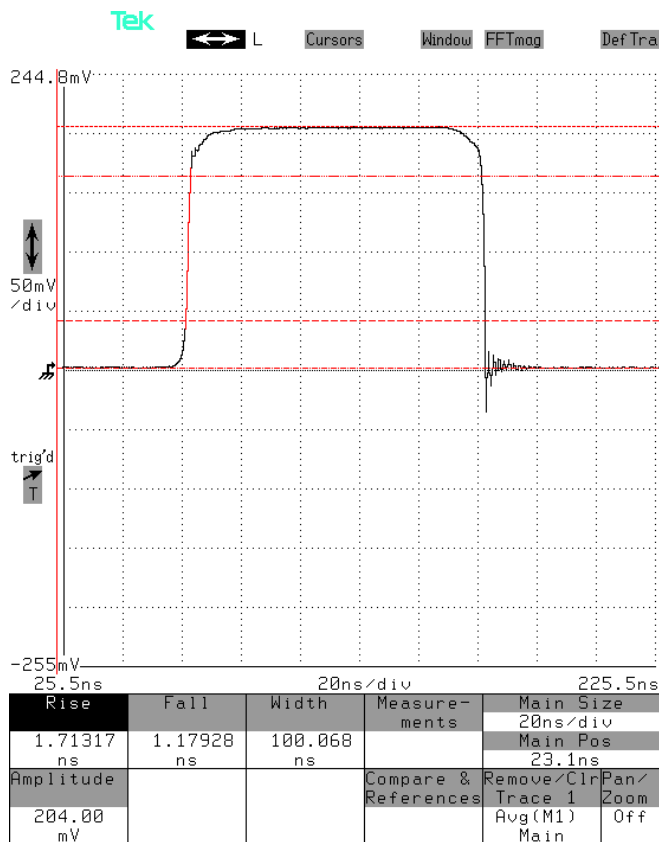
### Test Waveforms

10 kHz, 100 ns, > +200V,

10 kHz, 100 ns, > -200V,

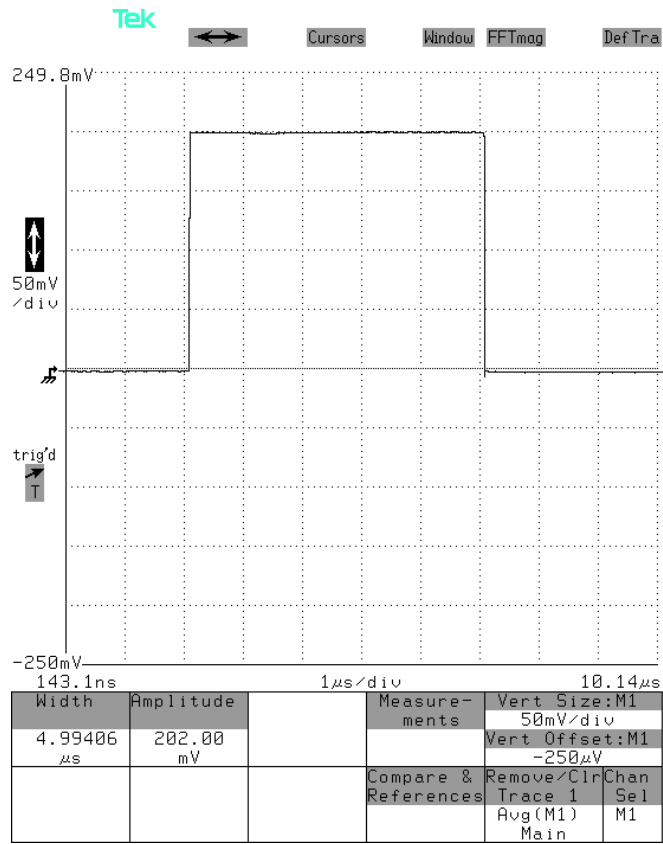
20 ns/div. 50 V/div (50 mV  $\times$  60 dB):

20 ns/div. 50 V/div (50 mV  $\times$  60 dB):



1 kHz, 5 us, > +200V,

1 us/div. 50 V/div (50 mV × 60 dB):



1 kHz, 5 us, > -200V,

1 us/div. 50 V/div (50 mV × 60 dB):

