



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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BOX 5120, LCD MERIVALE  
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## PERFORMANCE CHECKSHEET

Model: AV-1011B1-B-AC03-VXI-R5  
Type: High-Speed Pulse Generator  
S.N.: 13090  
Date: November 8, 2013

Output Amplitude: 0 to  $\pm 100V$ , to 50 $\Omega$   
Pulse Width (FWHM): 100 ns – 1 ms  
Rise Time (20%-80%):  $\leq 2$  ns  
Fall Time (80%-20%):  $\leq 2$  ns  
PRF: 1 Hz - 100 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

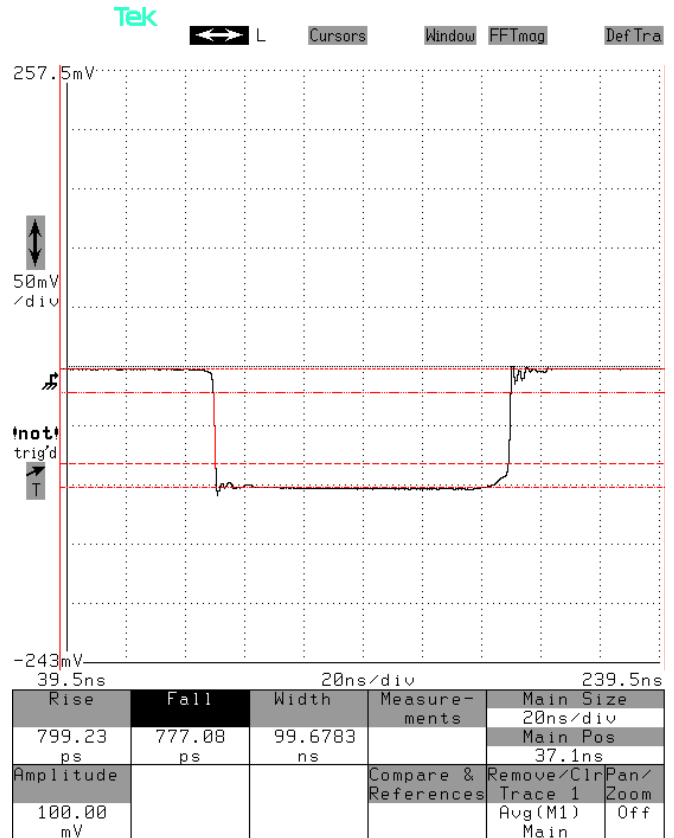
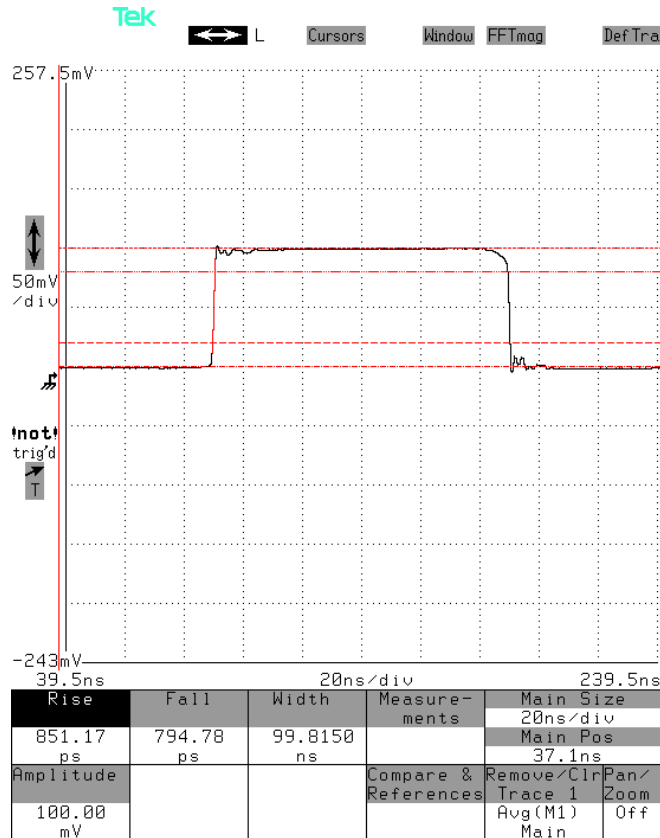
### Test Waveforms

10 kHz, +100V, 100 ns, to 50 Ohms,

10 kHz, -100V, 100 ns, to 50 Ohms,

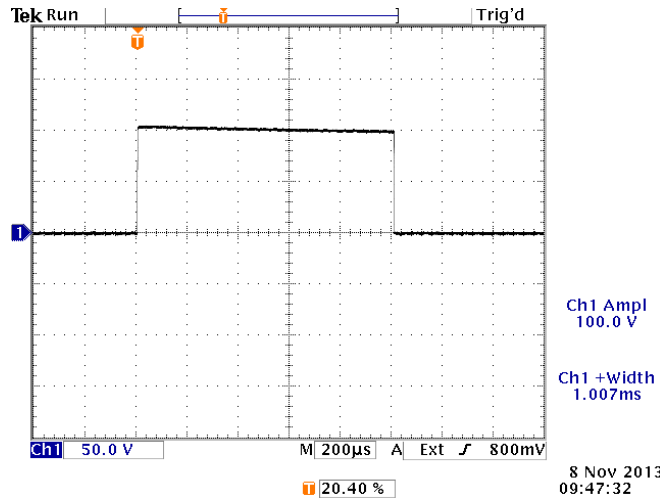
20 ns/div. 50 V/div (50 mV/div  $\times$  60 dB):

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



10 Hz, +100V, 1 ms, to 50 Ohms,

200 us/div. 50 V/div:



10 Hz, -100V, 1 ms, to 50 Ohms,

200 us/div. 50 V/div:

