



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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☒ BOX 5120, LCD MERIVALE  
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## PERFORMANCE CHECKSHEET

Model: AVL-AV-1-W-B-PN-AC02-VXI-OS  
Type: Ultra-High-Speed Pulse Generator  
S.N.: 13190  
Date: August 7, 2014

Output Amplitude: up to  $\pm 100V$ , to  $50\Omega$   
Pulse Width (FWHM): 5 to 100 ns  
Rise Time (20%-80%):  $\leq 2$  ns  
Fall Time (80%-20%):  $\leq 3$  ns  
PRF: 1 Hz - 50 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

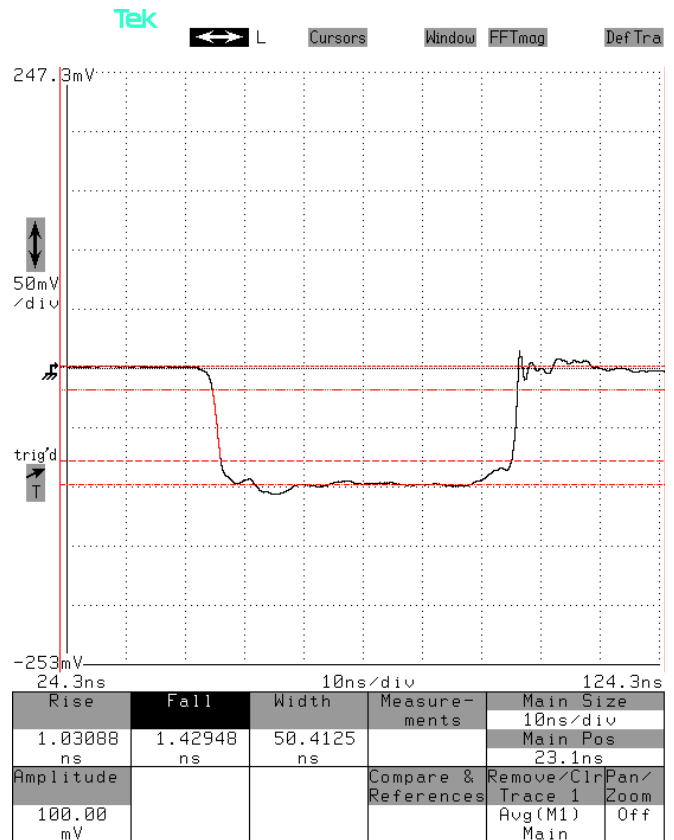
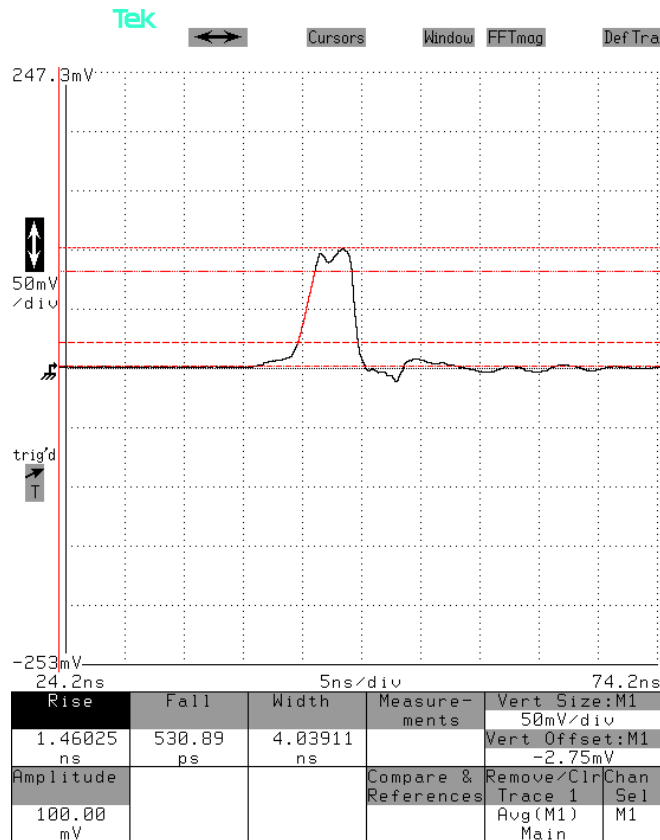
### Test Waveforms

50 kHz, < 5 ns, +100V,

50 kHz, 50 ns, -100V,

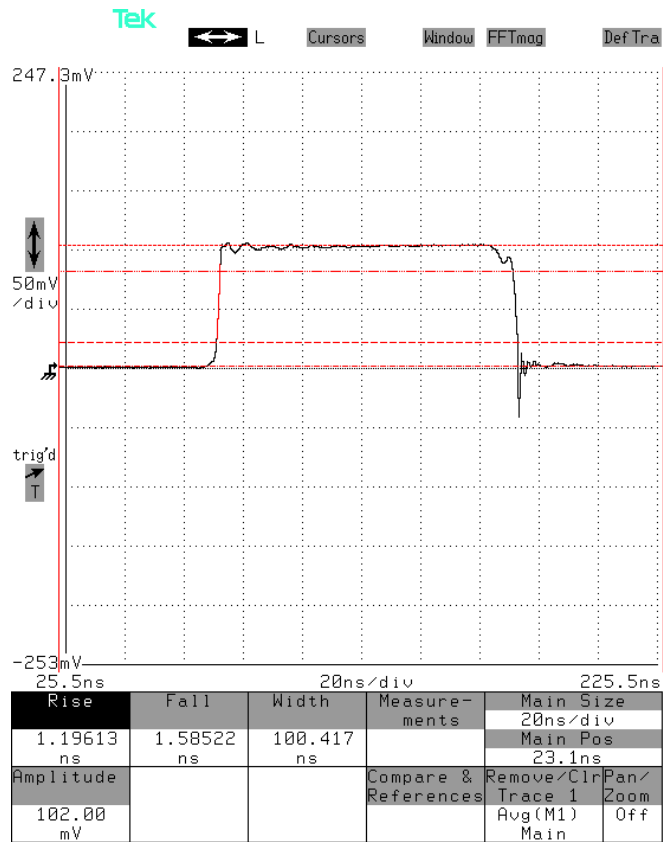
5 ns/div. 50 V/div (50 mV/div  $\times$  60 dB):

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



50 kHz, 100 ns, +100V,

20 ns/div. 50 V/div (50 mV/div × 60 dB):



50 kHz, 400 ns, -100V,

50 ns/div. 50 V/div (50 mV/div × 60 dB):

