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BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H4

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PERFORMANCE CHECKSHEET

Model: AVO-9H1-B-P-AK1-P1B  
Type: Ultra-High-Speed Laser Diode Driver  
S.N.: 12020  
Date: June 25, 2008

Output Amplitude: 0 to +100V, to 50Ω  
Pulse Width (FWHM): 10 – 500 ns  
Rise Time (20%-80%): ≤ 1.2 ns  
Fall Time (80%-20%): ≤ 2 ns  
PRF: 1 Hz - 200 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

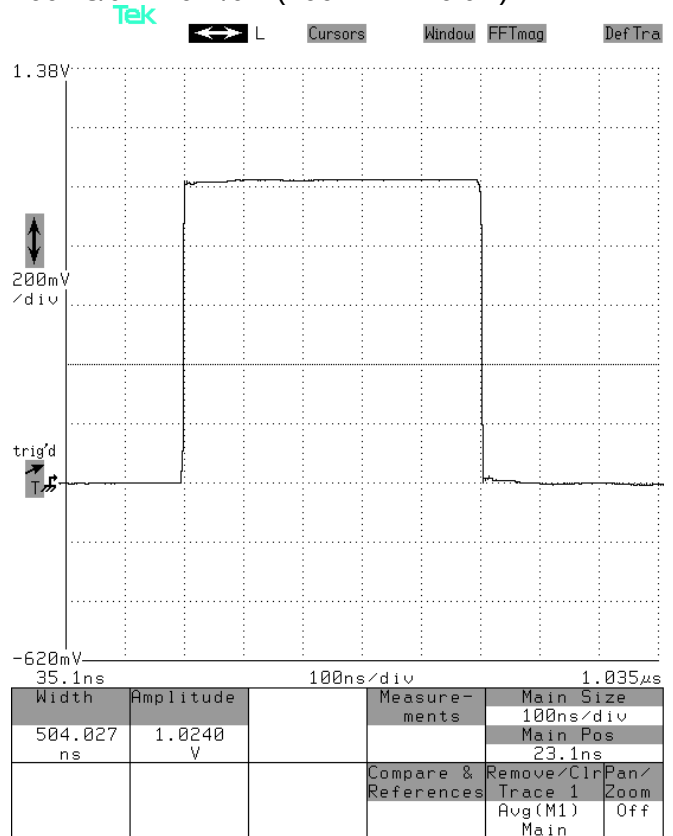
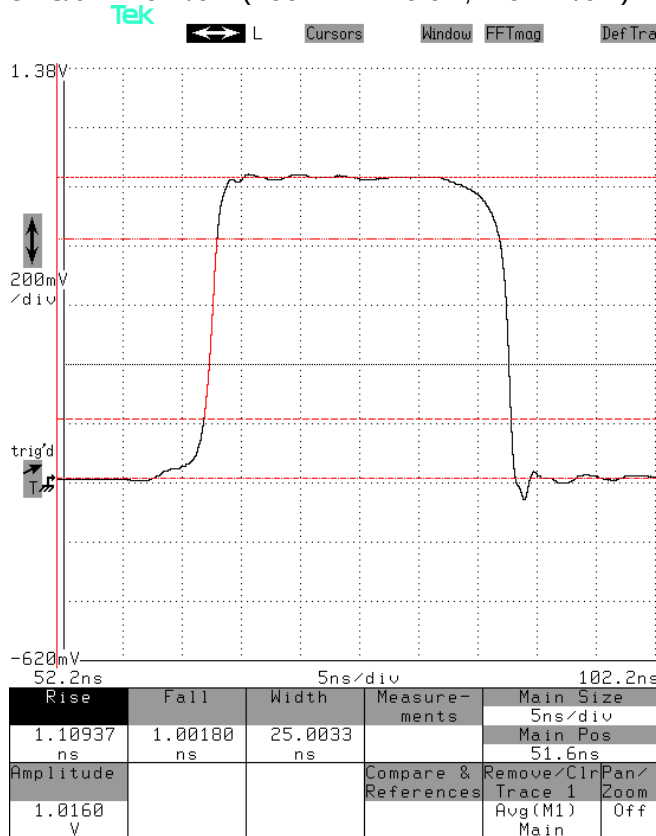
Test Waveforms

Mainframe output, +100V into 50 Ohms, 200 kHz,  
25 ns pulse width:

Mainframe output, +100V into 50 Ohms, 40 kHz,  
500 ns pulse width:

5 ns/div. 20 V/div (200 mV × 40 dB, = 0.4 A/div):

100 ns/div. 20 V/div (200 mV × 40 dB):



“MI” output of AVX-S1-P1B into 50 Ohms, for +100V, 10 kHz, 100 ns pulse width, with a 1N4148 test diode installed in the output sockets:

20 ns/div. 2 V/div (200 mV × 20 dB, ≈ 0.44 A/div):

