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BOX 5120, LCD MERIVALE  
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PERFORMANCE CHECKSHEET

Model: AVO-9A4-B-P-T1B-P1B-L2KB1  
Type: Ultra-High-Speed Laser Diode Driver  
S.N.: 12419  
Date: April 9, 2010

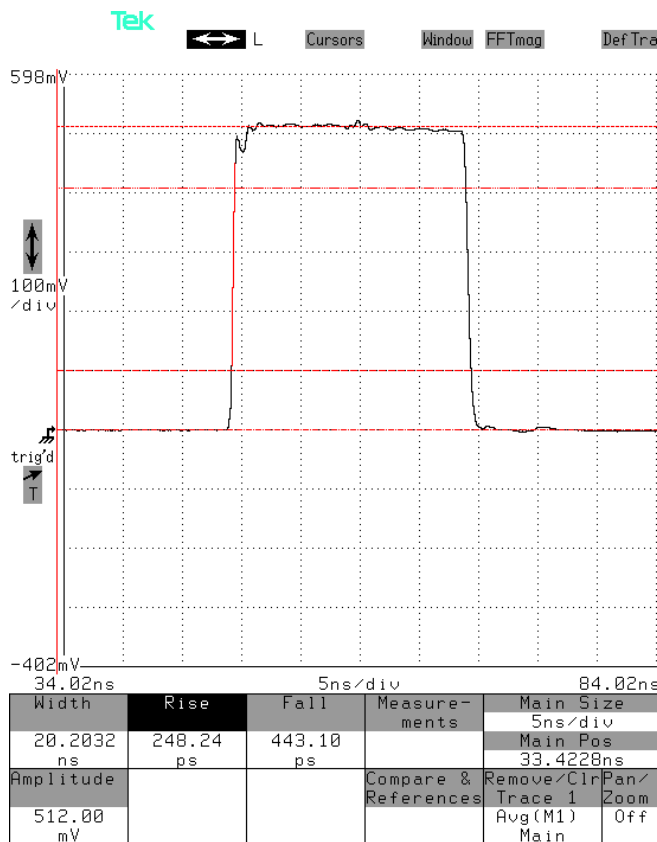
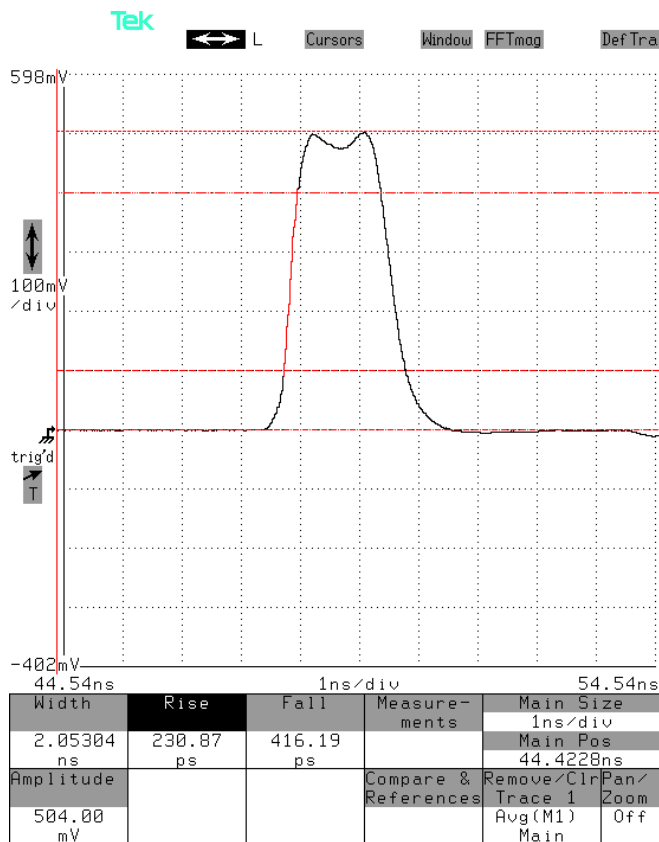
Output Amplitude: up to +2A  
Pulse Width (FWHM): 1 - 20 ns  
Rise Time (20%-80%): ≤ 500 ps  
Fall Time (80%-20%): ≤ 750 ps  
PRF: 1 Hz - 150 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

Test Waveforms

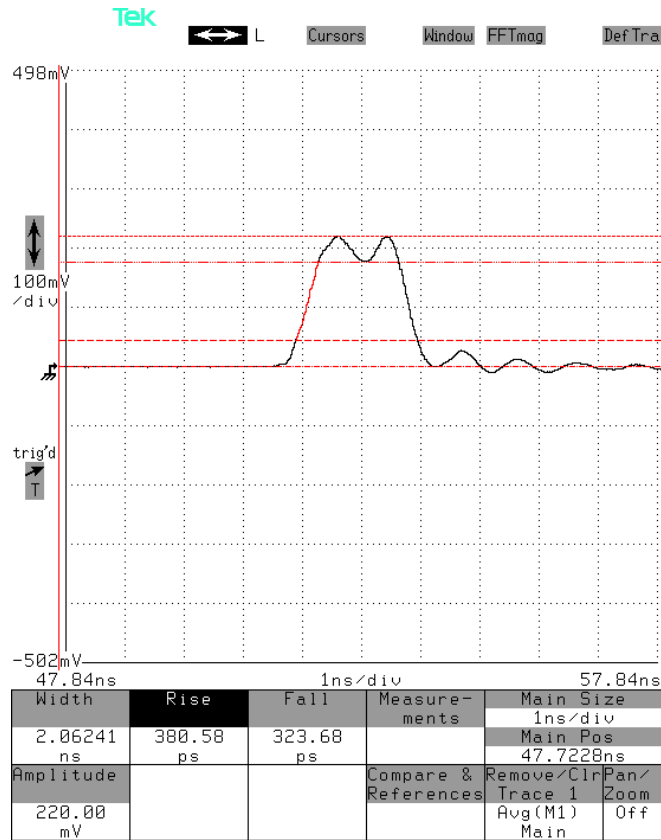
Pulse into 50 Ohm load at 10 kHz, 2 ns, +50V,  
1 ns/div. 10 V/div (100 mV × 40 dB):

Pulse into 50 Ohm load at 10 kHz, 20 ns, +50V,  
5 ns/div. 10 V/div (100 mV × 40 dB):



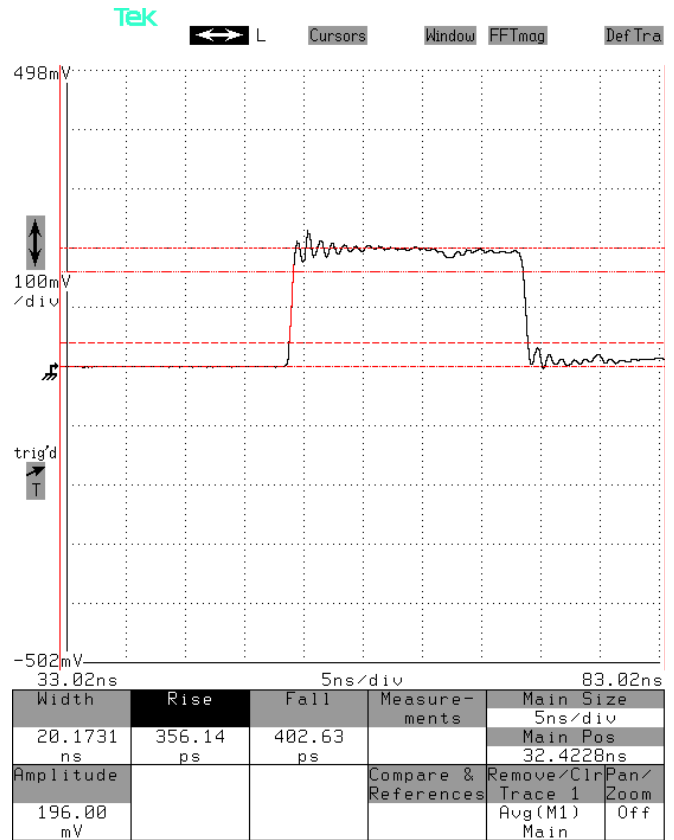
“MI” output of AVX-S1-T1B-P1B-L2KB1 into 50 Ohms, for +50V, 10 kHz, 2 ns pulse width, with a jumper installed in the output sockets:

1 ns/div. 1 V/div (100 mV × 20 dB):



“MI” output of AVX-S1-T1B-P1B-L2KB1 into 50 Ohms, for +50V, 10 kHz, 20 ns pulse width, with a jumper installed in the output sockets:

5 ns/div. 1 V/div (100 mV × 20 dB):



The inductance of the socket and load adds some ringing to the waveform.