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BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
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PERFORMANCE CHECKSHEET

Model: AVO-9B1-B-P1C-T1C-N
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 12346
Date: September 29, 2009

Output Amplitude: 0 to -13V, to 50Ω
Pulse Width (FWHM): 0.5 – 1000 ns
Rise Time (20%-80%): ≤ 250 ps
Fall Time (80%-20%): ≤ 250 ps
PRF: 1 Hz - 1 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

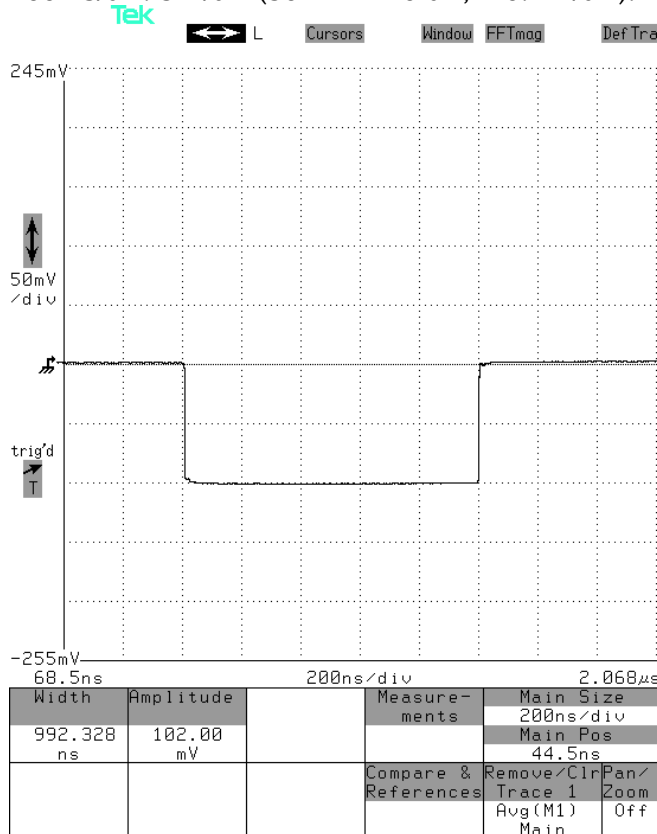
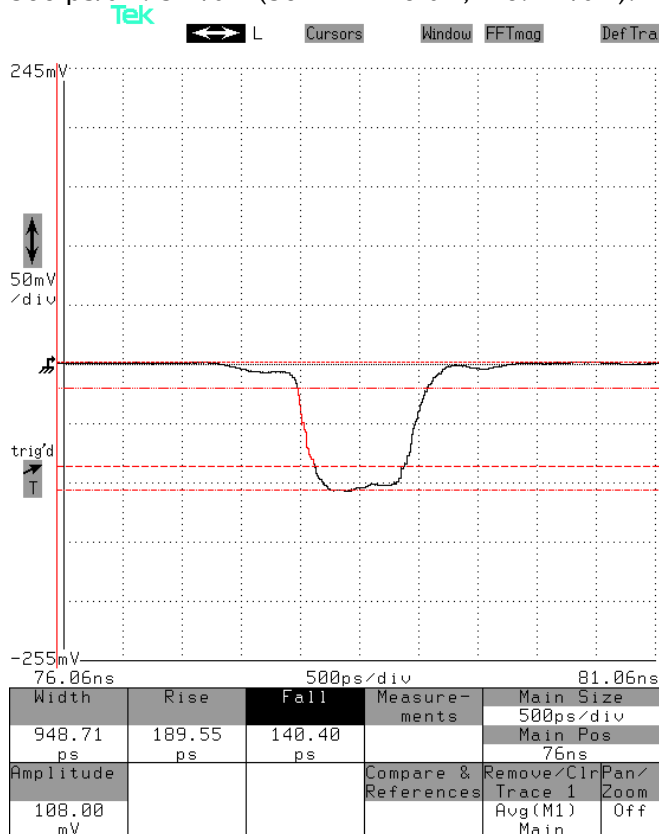
Test Waveforms

Mainframe output, -10V into 50Ω, 10 kHz, 1 ns pulse width:

Mainframe output, -10V into 50Ω, 10 kHz, 1 μs pulse width:

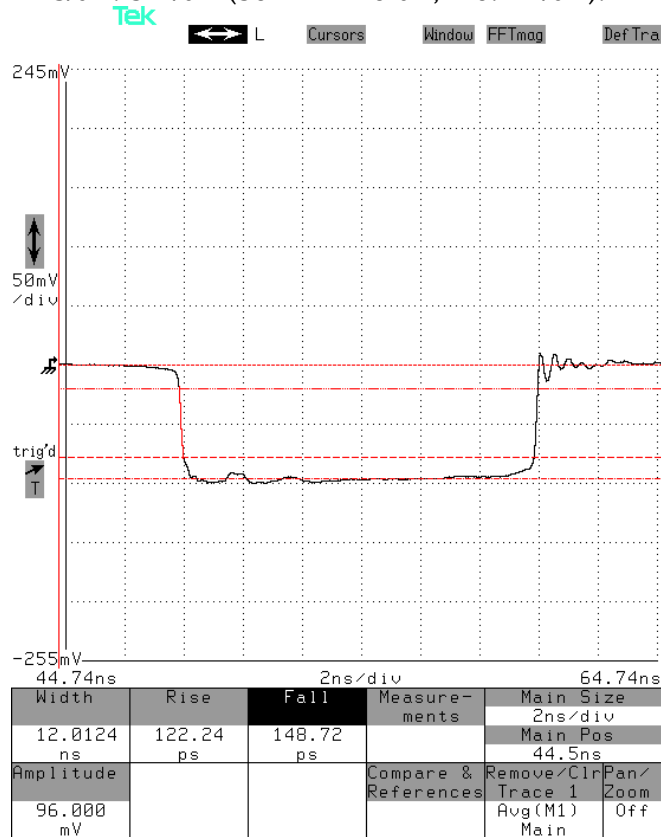
500 ps/div. 5 V/div (50 mV × 40 dB, = 0.1 A/div):

200 ns/div. 5 V/div (50 mV × 40 dB, = 0.1 A/div):



Mainframe output, -10V into 50Ω, 10 kHz, 12 ns pulse width:

2 ns/div. 5 V/div (50 mV × 40 dB, = 0.1 A/div):



“MI” output of AVX-S1-T1C-P1C into 50 Ohms, with a 1N459 diode installed in series with 25 Ohms, for -10V, 10 kHz, 12 ns pulse width:

2 ns/div. 0.5 V/div (50 mV × 20 dB, ≈ 0.11 A/div):

