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BOX 5120, LCD MERIVALE
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CANADA K2C 3H4

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PERFORMANCE CHECKSHEET

Model: AVO-9H-B-P1B-T1B-P-KMP1
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 11784
Date: August 7, 2007

Output Amplitude: 0 to +103V, to 50Ω
Pulse Width (FWHM): 10 – 200 ns
Rise Time (20%-80%): ≤ 700 ps
Fall Time (80%-20%): ≤ 700 ps
PRF: 1 Hz - 50 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

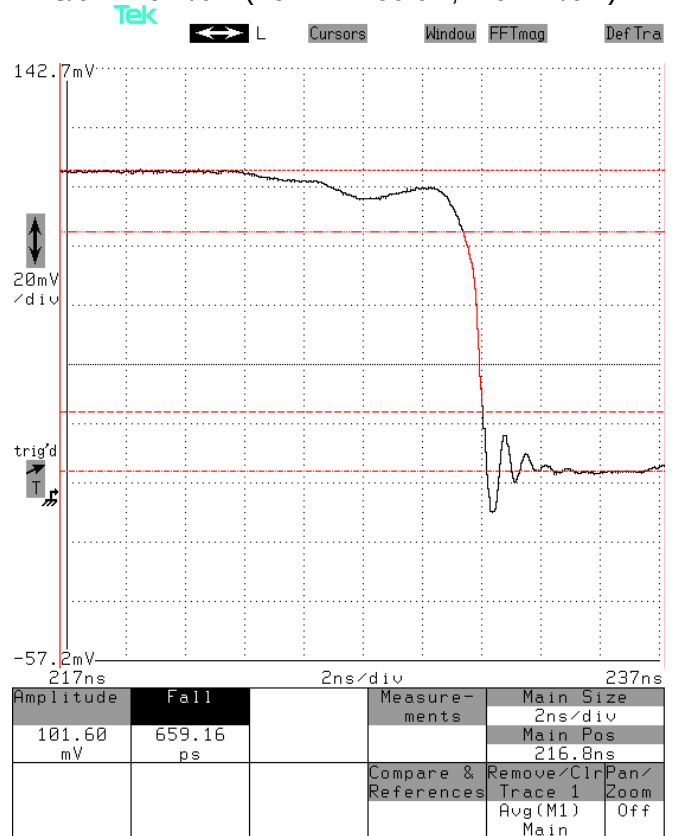
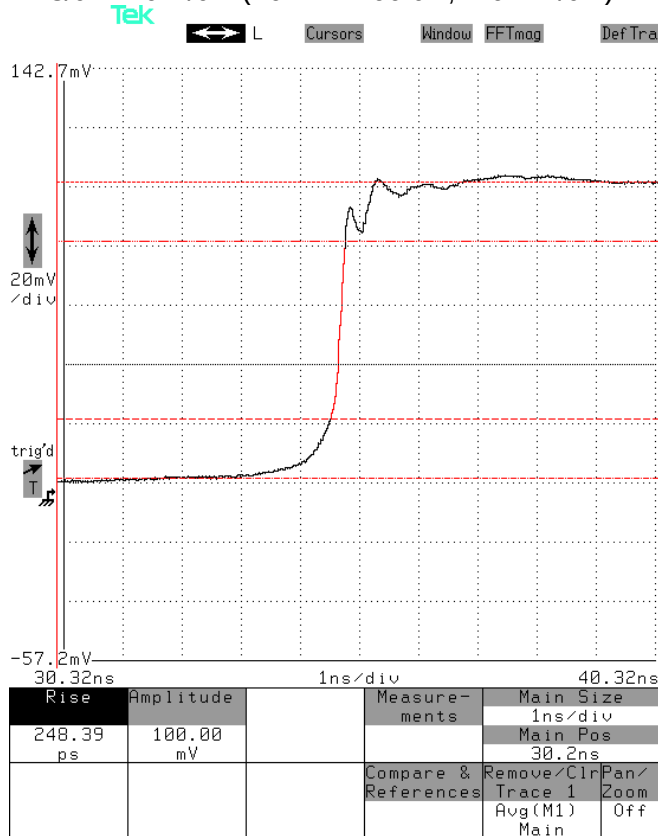
Test Waveforms

Mainframe output, +103V into 50 Ohms, 10 kHz,
200 ns pulse width, rising edge:

Mainframe output, +103V into 50 Ohms, 10 kHz,
200 ns pulse width, falling edge:

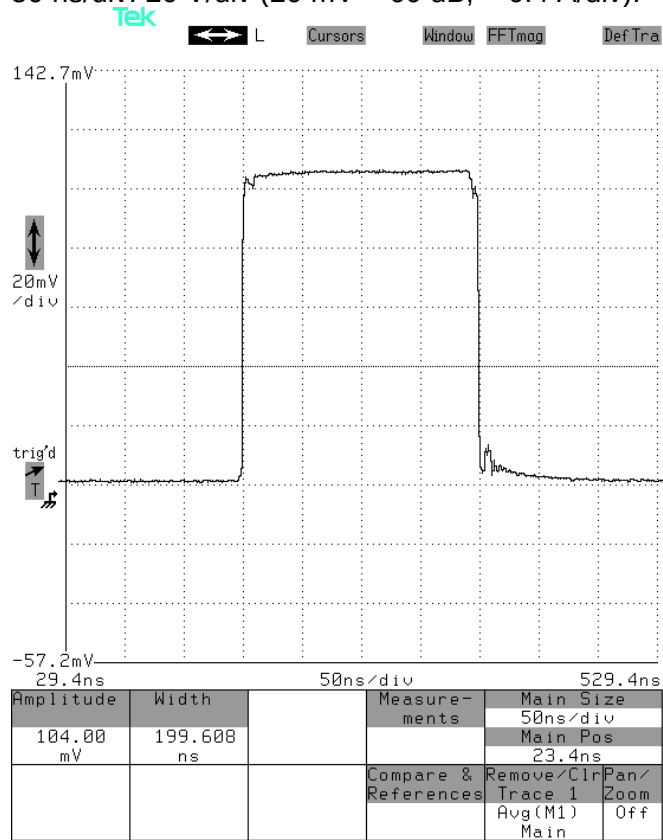
1 ns/div. 20 V/div (20 mV × 60 dB, = 0.4 A/div):

2 ns/div. 20 V/div (20 mV × 60 dB, = 0.4 A/div):



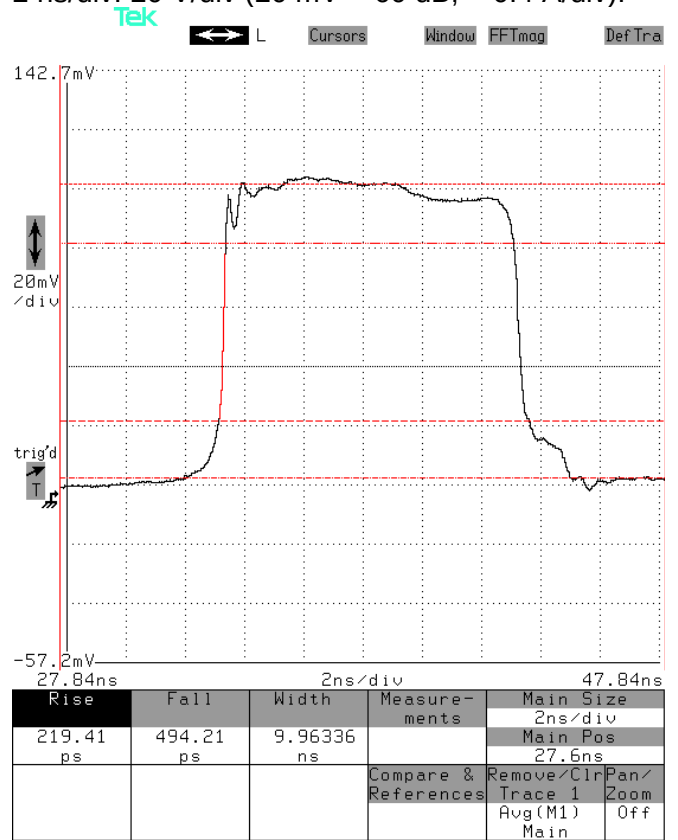
Mainframe output, +103V into 50 Ohms, 10 kHz,
200 ns pulse width, full pulse:

50 ns/div. 20 V/div (20 mV × 60 dB, = 0.4 A/div):



Mainframe output, +103V into 50 Ohms, 10 kHz,
10 ns pulse width, full pulse:

2 ns/div. 20 V/div (20 mV × 60 dB, = 0.4 A/div):



“MI” output of AVX-S2-T1B-P1B-KMP1 into 50 Ohms, for +103V, 10 kHz, 100 ns pulse width:

20 ns/div. 2 V/div (20 mV × 40 dB, ≈ 0.44 A/div):

