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

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PERFORMANCE CHECKSHEET

Model: AVO-2W-B-PN
Type: High Speed Laser Diode Driver
S.N.: 12064
Date: August 25, 2008

Output Amplitude: 0 to ±10A, to 6.2Ω
Pulse Width (FWHM): 4 – 50 ns
Rise Time (20%-80%): ≤ 2 ns
Fall Time (80%-20%): ≤ 2 ns
PRF: 1 Hz - 20 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

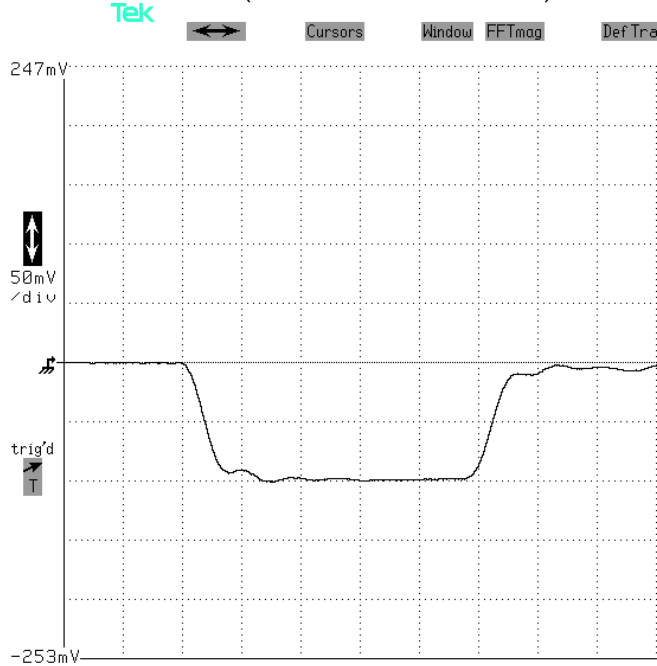
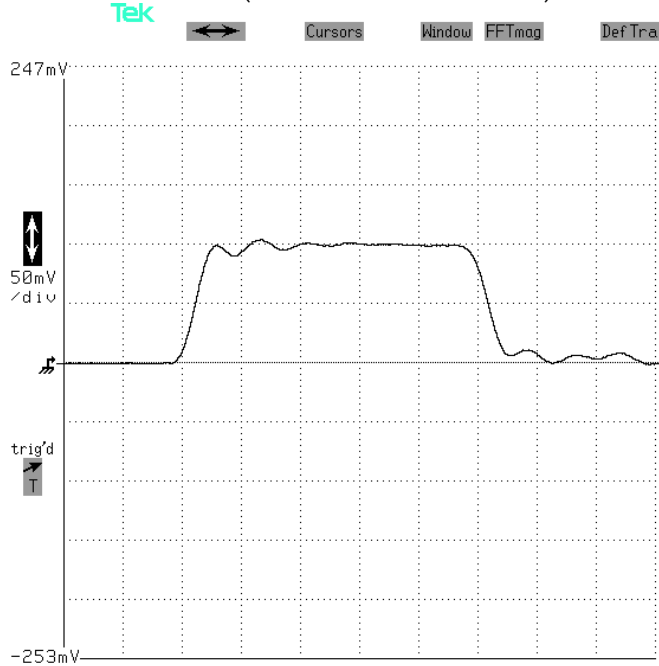
Test Waveforms

10 kHz, 50 ns, +60V into a load consisting of 5.1 Ohms in series with a 1N5819 diode. Measured with a 711S current probe (5A/div). The rise and fall times are degraded slightly by the inductance introduced by the 711S probe.

10 kHz, 50 ns, -60V into a load consisting of 5.1 Ohms in series with a 1N5819 diode. Measured with a 711S current probe (5A/div). The rise and fall times are degraded slightly by the inductance introduced by the 711S probe.

10 ns/div. 5 A/div (50 mV × 40 dB × 1A/V):

10 ns/div. 5 A/div (50 mV × 40 dB × 1A/V):



Rise	Fall	Width	Measurements	Vert Size:M1
2.86675 ns	3.30642 ns	49.5291 ns		50mV/div
				Vert Offset:M1
				-3mV
Amplitude			Compare & References	Remove/Cir Chan Sel
100.00 mV				Avg(M1) M1

Rise	Fall	Width	Measurements	Vert Size:M1
3.59493 ns	3.24811 ns	48.6602 ns		50mV/div
				Vert Offset:M1
				-3mV
Amplitude			Compare & References	Remove/Cir Chan Sel
98.000 mV				Avg(M1) M1