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BOX 5120, LCD MERIVALE
OTTAWA, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVO-9W-B-P-P0E
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 14358
Date: July 26, 2023

Output Amplitude: up to +125V to 25Ω
Pulse Width (FWHM): 4 - 50 ns
Rise Time (20%-80%): ≤ 2.5 ns
Fall Time (80%-20%): ≤ 3.5 ns
PRF: 1 Hz – 20 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

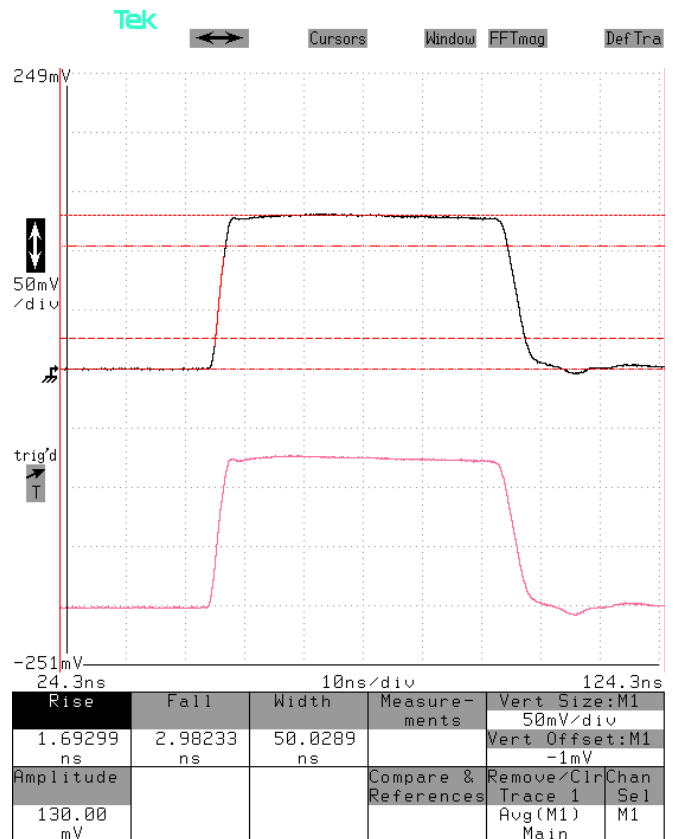
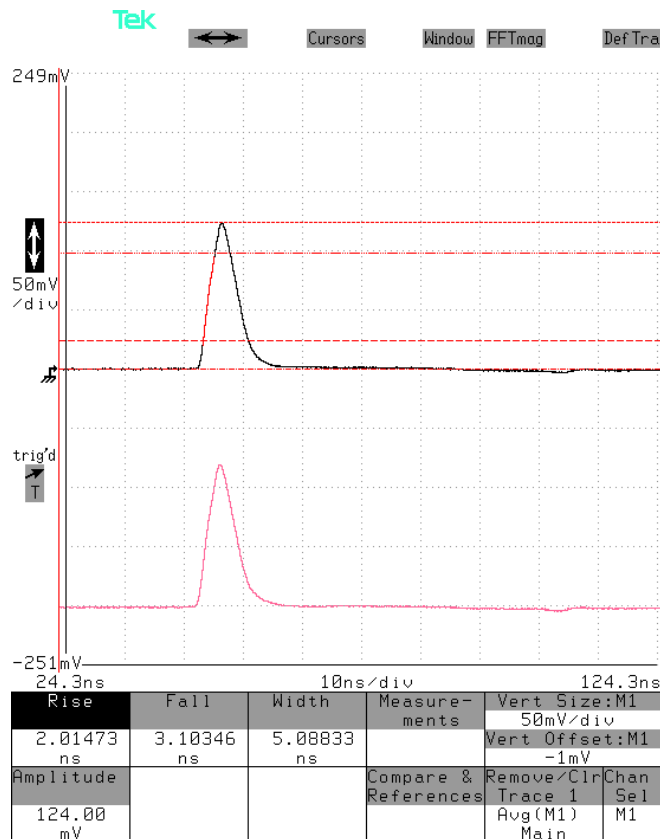
Test Waveforms

Mainframe outputs into two 50 Ohm loads at
10 kHz, 5 ns, +125V

Mainframe outputs into two 50 Ohm loads at
10 kHz, 50 ns, > +125V,

10 ns/div. 50 V/div (50 mV/div × 60 dB):

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Test method: A very short length of wire is fed through an Integrated Sensor Technologies 711S current probe, and is then inserted between the signal pin socket and a ground pin socket, as shown below. (The specified rise time of the 711S is < 1.3 ns. It will degrade the measured rise time slightly.)



+10A pulse into a 0Ω test load installed on the output module. 10 ns/div, 5 A/div.