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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVO-9E-B-N-P1C-T1C
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 12965
Date: January 30, 2013

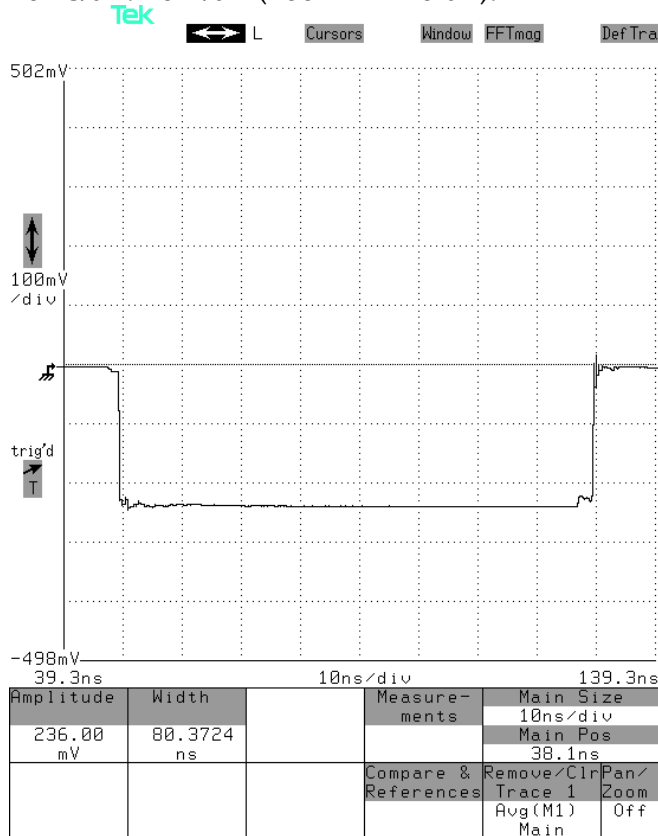
Output Amplitude: up to -23V, to 50Ω
Pulse Width (FWHM): 10 ns – 200 ns
Rise Time (20%-80%): ≤ 300 ps
Fall Time (80%-20%): ≤ 300 ps
PRF: 1 Hz - 10 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

Test Waveforms

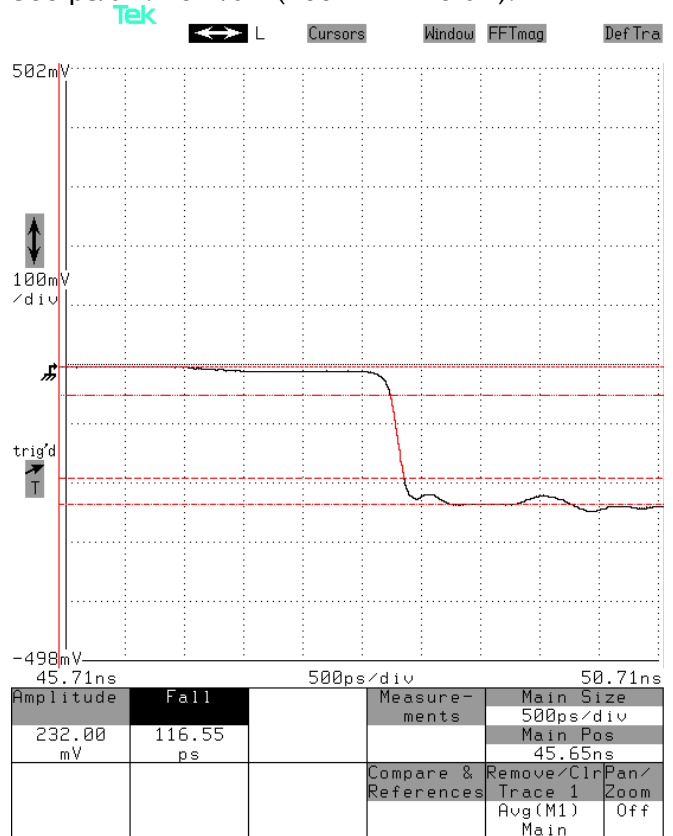
Mainframe output, -23V into 50 Ohms, at
100 kHz PRF and 80 ns pulse width:

10 ns/div. 10 V/div (100 mV × 40 dB):



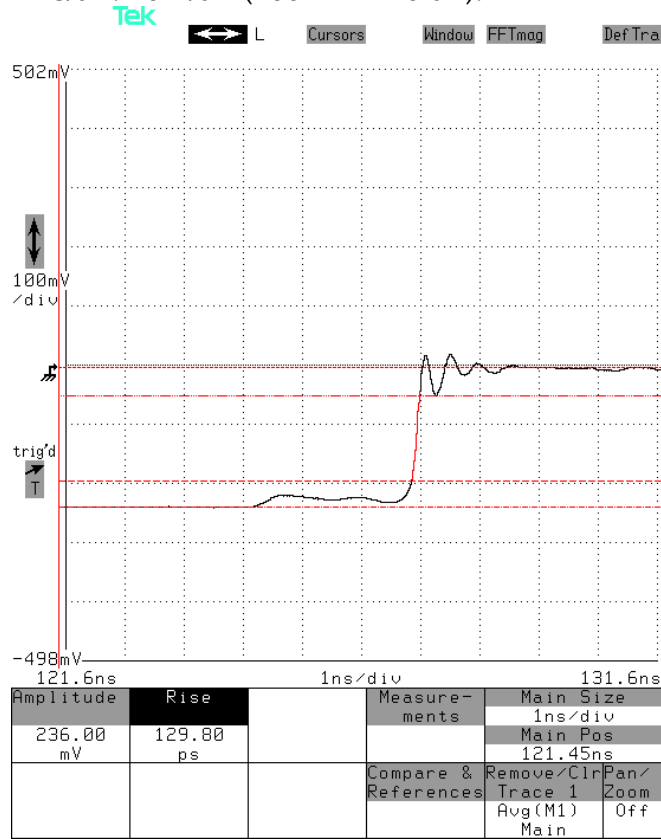
Rising edge of the previous waveform:

500 ps/div. 10 V/div (100 mV × 40 dB):



Falling edge of the previous waveform:

1 ns/div. 10 V/div (100 mV × 40 dB):



“MI” output of AVX-S1-P1C-T1C, into 50 Ohms, at 100 kHz PRF and 80 ns pulse width, with 27Ω in series with a 1N459A, as the DUT:

10 ns/div. 1 V/div (100 mV × 20 dB):

