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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVO-9F2-C-P2-N-ICFOA
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 12138
Date: December 18, 2008

Max. Output Amplitude: -340 mA
Pulse Width (FWHM): 0.4 - 1 ns
Rise Time (20%-80%): ≤ 200 ps
Fall Time (80%-20%): ≤ 200 ps
PRF: 25 - 100 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

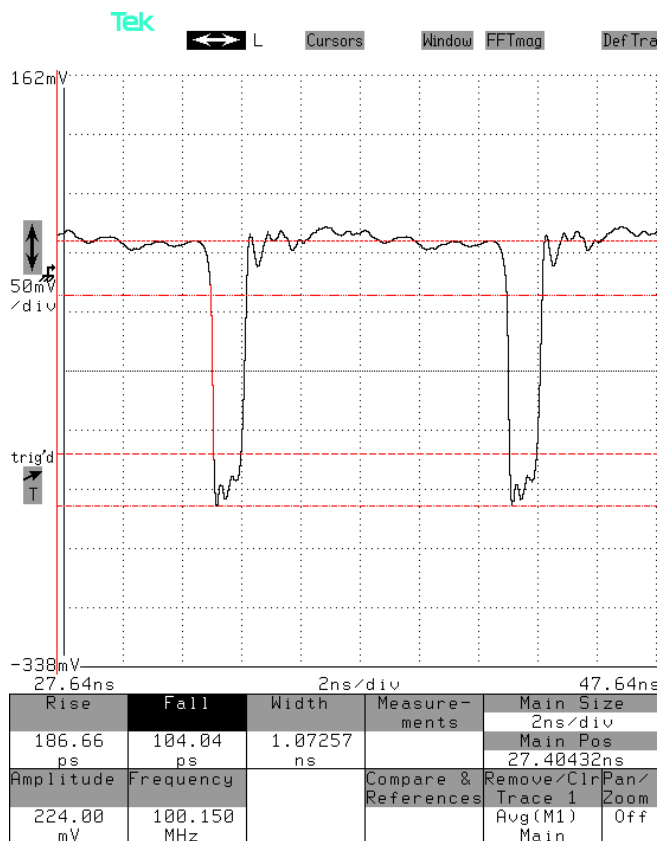
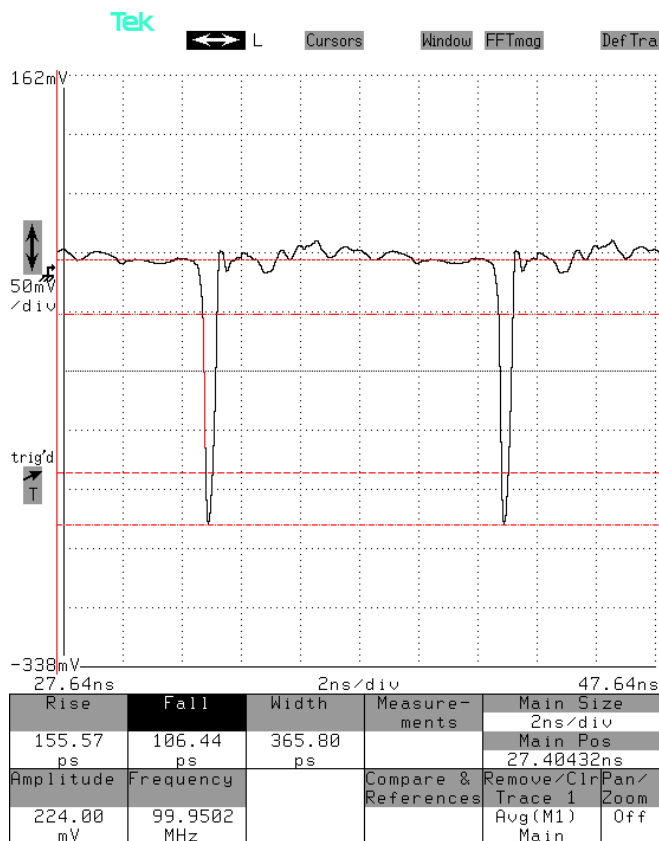
Test Waveforms

At 100 MHz, > -20V, < 0.4 ns, mainframe driving a 50Ω load (no output module):

At 100 MHz, > -20V, > 1 ns, mainframe driving a 50Ω load (no output module):

2 ns/div. 5 V/div (50 mV × 40 dB):

2 ns/div. 5 V/div (50 mV × 40 dB):



At 100 MHz, ~ 340 mA, 1 ns pulse width, mainframe driving the output module with a 1N459 diode installed in the output socket. The parasitic inductance causes some degradation of the signal, including ringing. The “M1” output is shown.

2 ns/div. 1 V/div (100 mV × 20 dB):

