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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVO-9A4-B-P-P1B-T1B-DP-BAS2
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 12479
Date: August 11, 2010

Output Amplitude: 0 to +27V, to 50Ω
Pulse Width (FWHM): 2 - 20 ns
Rise Time (20%-80%): ≤ 250 ps
Fall Time (80%-20%): ≤ 500 ps
PRF: 1 Hz - 100 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

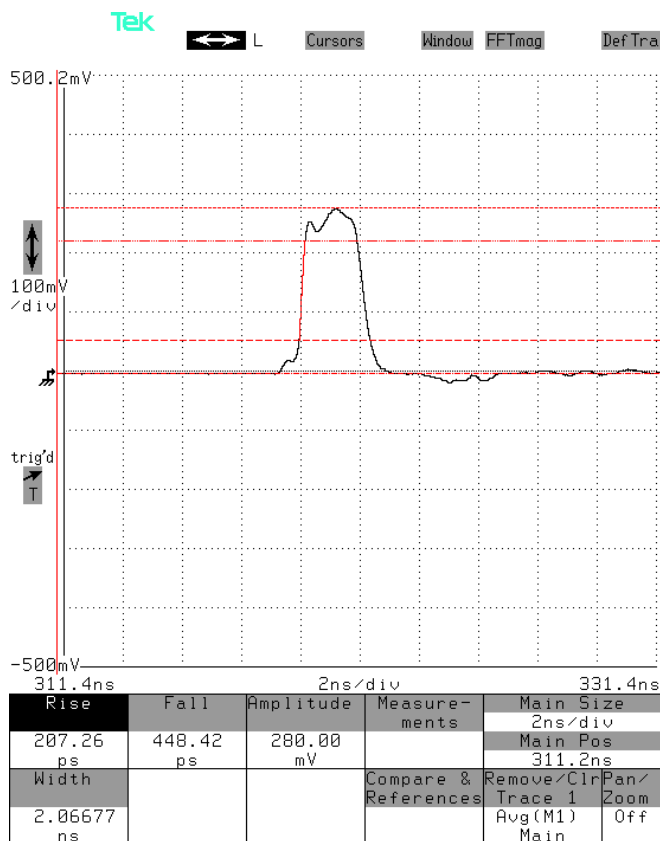
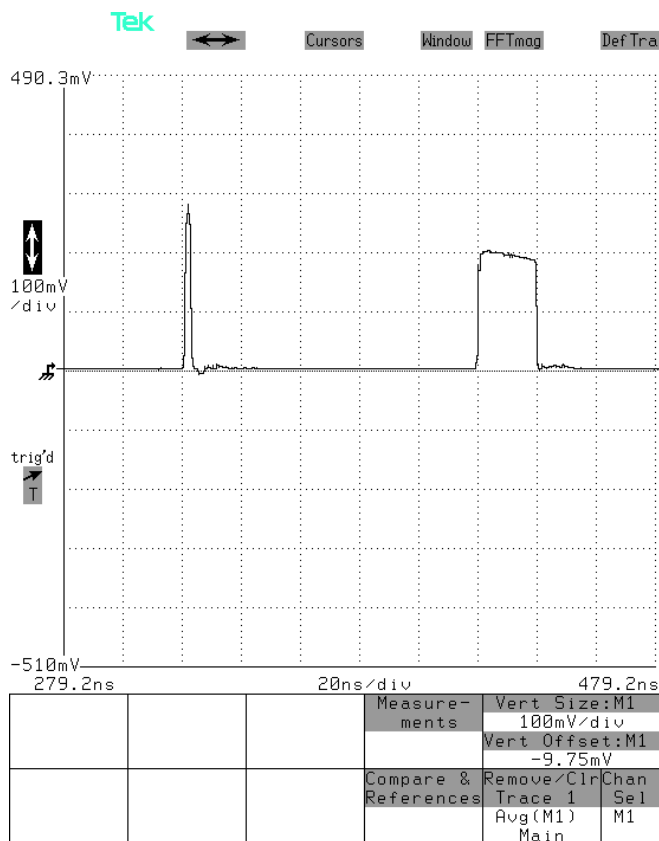
Test Waveforms

10 kHz, 2 ns / 27V and 20 ns / 20V, 100 ns delay,
into a 50 Ohm load (no output module),

Same as first waveform, but zoomed in on the 2
ns / 27V portion of the doublet,

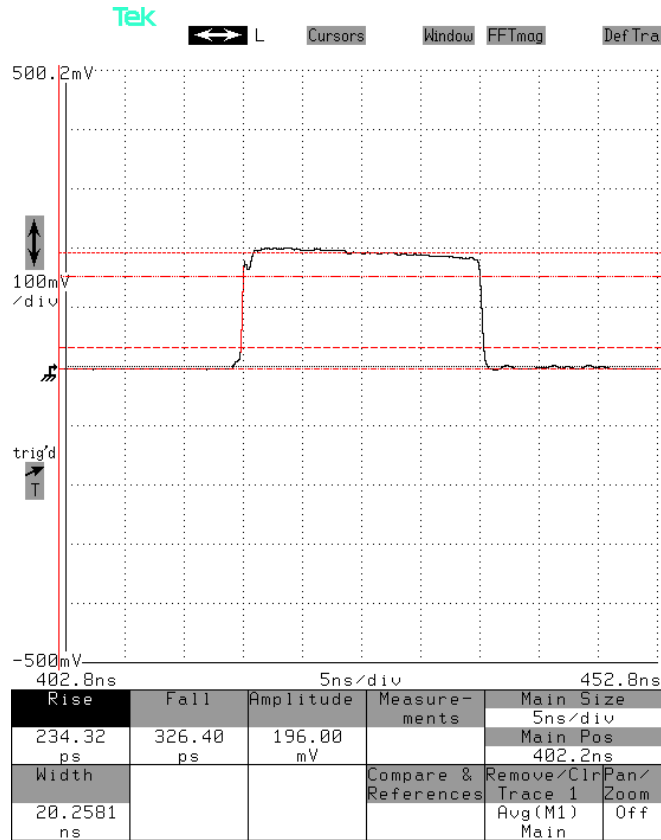
20 ns/div. 10 V/div (100 mV × 40 dB):

2 ns/div. 10 V/div (100 mV × 40 dB):



Same as first waveform, but zoomed in on the 20 ns / 20V portion of the doublet,

5 ns/div. 10 V/div (100 mV × 40 dB):



Same settings as before, but with the AVX-S1-P1B-T1B output module, with a 1N6263 test diode installed in the output sockets. MI output,

20 ns/div. 100 mV/div × 20 dB, ≈ 220 mA/div:

