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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVO-9H2-B-P-P1B-T1B-SPB
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 12372
Date: December 18, 2009

Output Amplitude: 0 to +103V, to 50Ω
Pulse Width (FWHM): 10 – 30 ns
Rise Time (20%-80%): ≤ 2 ns
Fall Time (80%-20%): ≤ 2 ns
PRF: 1 Hz - 500 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

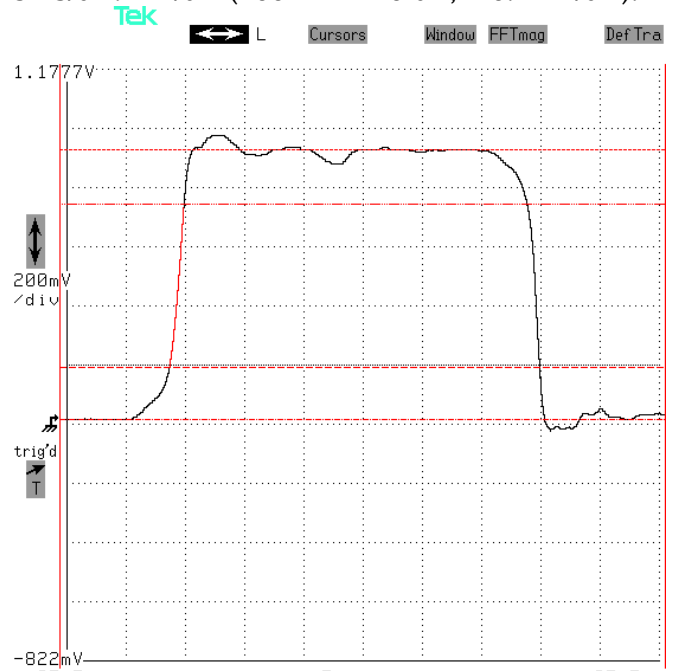
Test Waveforms

Mainframe output, +100V into 50 Ohms, 50 kHz,
30 ns pulse width:

“MI” output of AVX-S2-P1B-T1B-SPB into 50
Ohms, with a 1N6263 diode installed, for +100V,
50 kHz, 30 ns pulse width:

5 ns/div. 20 V/div (200 mV × 40 dB, = 0.4 A/div):

5 ns/div. 2 V/div (200 mV × 20 dB, ≈ 0.44 A/div):

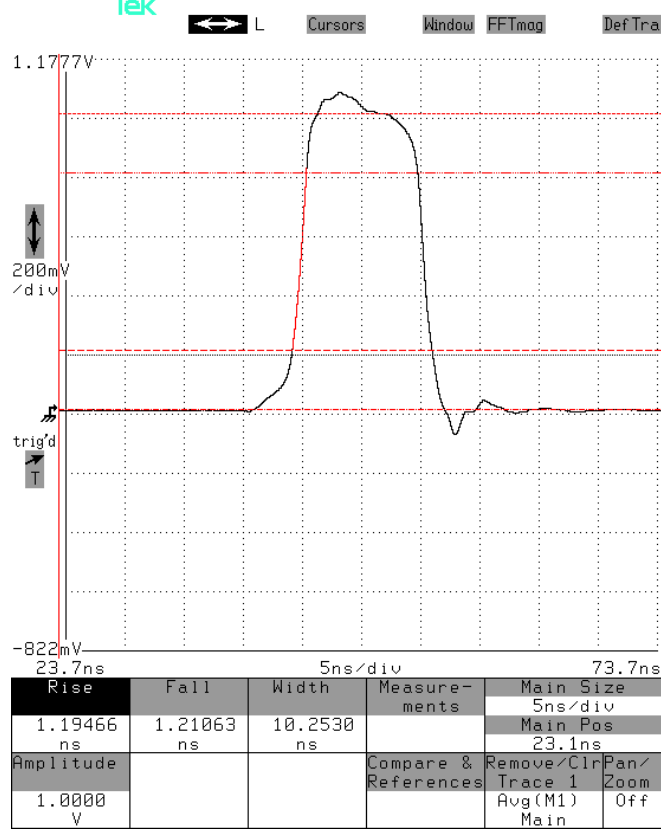


Rise	Fall	Width	Measure-ments	Main Size
1.21198 ns	1.06553 ns	29.9805 ns		5ns/div
				Main Pos
				31.6ns
Amplitude			Compare & References	Remove/Clr Pan/Zoom
1.0000 V				Avg(M1) Off

Rise	Fall	Width	Measure-ments	Main Size
1.21405 ns	1.06228 ns	29.9675 ns		5ns/div
				Main Pos
				37.1ns
Amplitude			Compare & References	Remove/Clr Pan/Zoom
912.00 mV				Avg(M1) Off

Mainframe output, +100V into 50 Ohms, 500 kHz, 10 ns pulse width:

5 ns/div. 20 V/div (200 mV × 40 dB, = 0.4 A/div):



“MI” output of AVX-S2-P1B-T1B-SPB into 50 Ohms, with a 1N6263 diode installed, for +100V, 500 kHz, 10 ns pulse width:

5 ns/div. 2 V/div (200 mV × 20 dB, ≈ 0.44 A/div):

