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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVO-9H-B-P1B-T1B-P
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 11807
Date: July 19, 2007

Output Amplitude: 0 to +103V, to 50Ω
Pulse Width (FWHM): 20 – 200 ns
Rise Time (20%-80%): ≤ 700 ps
Fall Time (80%-20%): ≤ 700 ps
PRF: 1 Hz - 50 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

Test Waveforms

Mainframe output, +103V into 50 Ohms, 50 kHz,
20 ns pulse width:

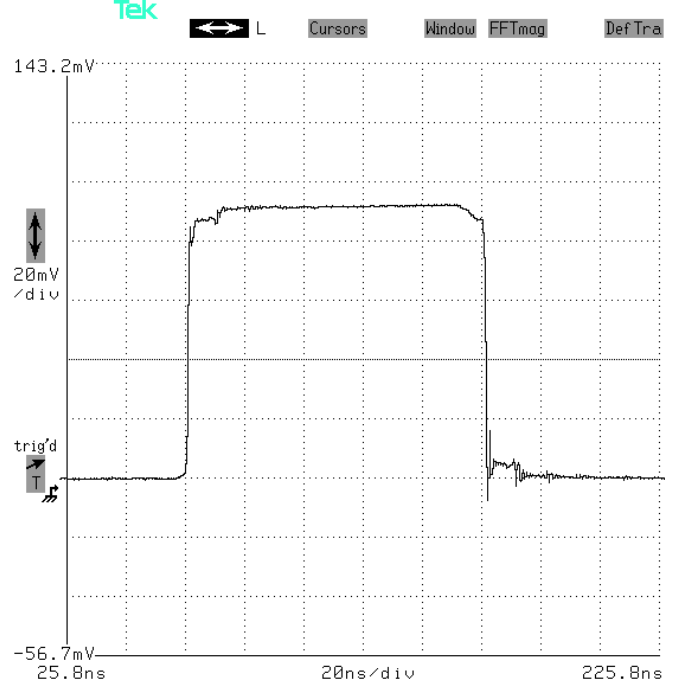
"MI" output of AVX-S2-T1B-P1B into 50 Ohms, for
+103V, 50 kHz, 100 ns pulse width:

5 ns/div. 20 V/div (20 mV × 60 dB, = 0.4 A/div):

20 ns/div. 2 V/div (20 mV × 40 dB, ≈ 0.44 A/div):



Rise	Amplitude	Width	Measurements	Main Size
481.63 ps	103.20 mV	20.2681 ns		5ns/div
Fall			Compare & References	Main Pos
356.12 ps				39.60496ns
			Remove/Clr Trace 1	Pan/Zoom
			Avg(M1)	Off
			Main	



Rise	Amplitude	Width	Measurements	Main Size
645.97 ps	92.000 mV	100.518 ns		20ns/div
Fall			Compare & References	Main Pos
648.73 ps				23.4ns
			Remove/Clr Trace 1	Pan/Zoom
			Avg(M1)	Off
			Main	

“MI” output of AVX-S1-P4-ARA into 50 Ohms, for +103V, 50 kHz, 100 ns pulse width, with 20 dB attenuator between the mainframe and the output module:

20 ns/div. 0.2 V/div (20 mV × 20 dB, ≈ 0.44 A/div):

