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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVO-5A1-B-AC03-N-S3-LSB-MD
Type: High-Speed Laser Diode Driver
S.N.: 12708
Date: September 29, 2011

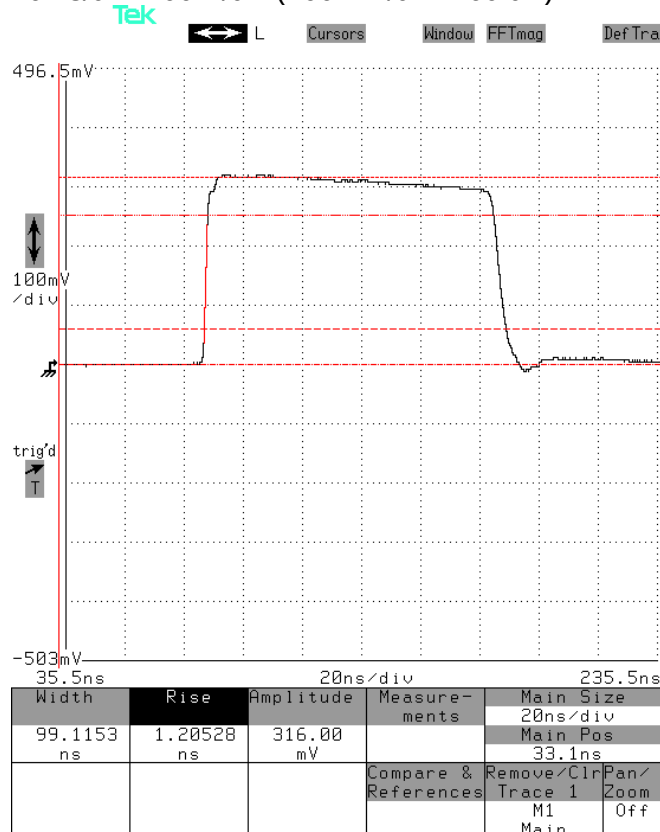
Output Amplitude: up to 16A
Pulse Width (FWHM): 5 - 100 ns
Rise Time (20%-80%): ≤ 2 ns
Fall Time (80%-20%): ≤ 5 ns
PRF: 1 Hz – 5 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

Test Waveforms

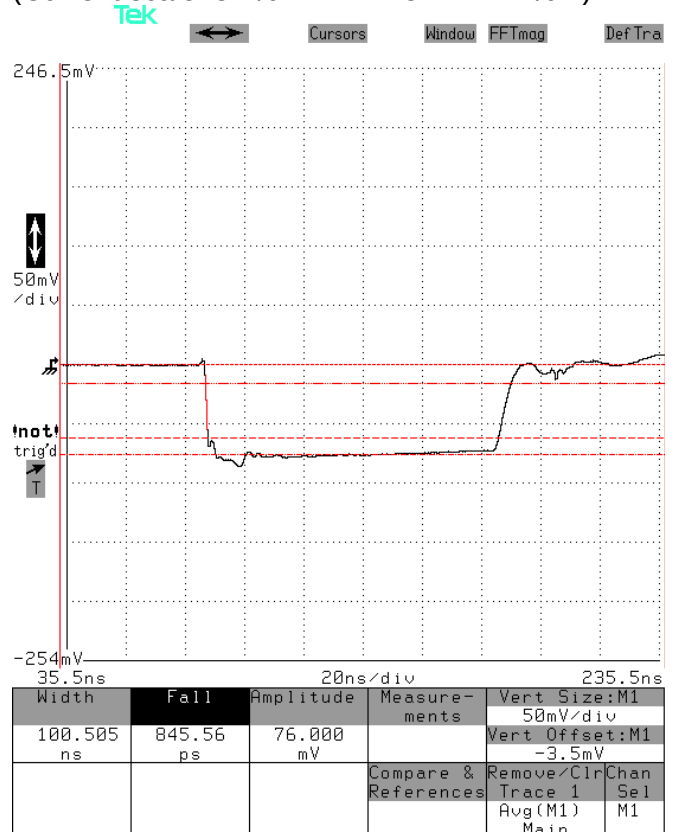
Mainframe output, +320V into 50 Ohms, 5 kHz,
100 ns pulse width:

20 ns/div. 100 V/div (100 mV/div × 60 dB):



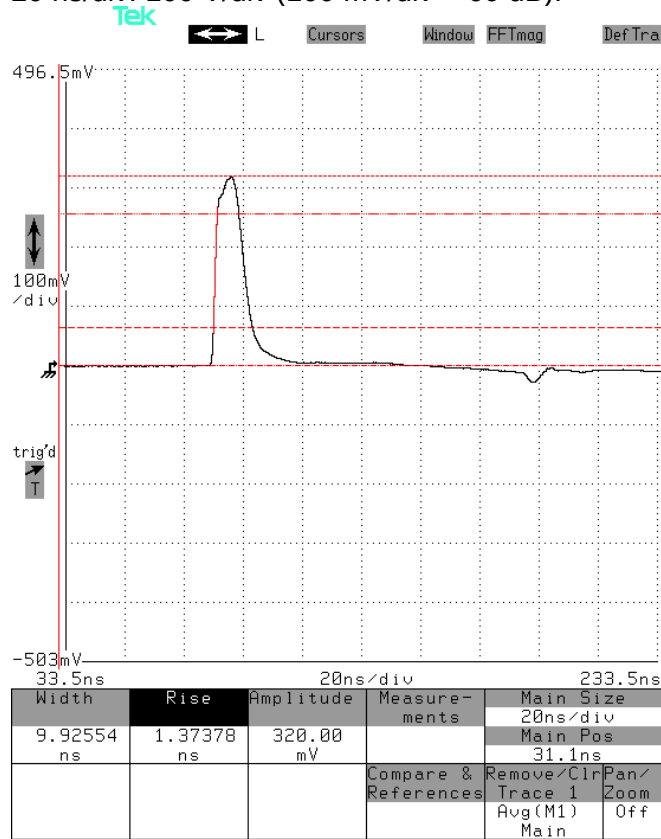
Same settings, but showing the “MI” output of the AVO-5A1-S3-LSB-MD-T-N output module into 50 Ohms, with a 0Ω jumper installed in the DUT socket:

20 ns/div. 5 V/div (50 mV/div × 40 dB):
(Current scale: 5 V/div × 11 ÷ 5Ω = 11 A/div)



Mainframe output, +320V into 50 Ohms, 5 kHz,
10 ns pulse width:

20 ns/div. 100 V/div (100 mV/div × 60 dB):



Same settings, but showing the “MI” output of the AVO-5A1-S3-LSB-MD-T-N output module into 50 Ohms, with a 0Ω jumper installed in the DUT socket:

20 ns/div. 5 V/div (50 mV/div × 40 dB):
(Current scale: 5 V/div × 11 ÷ 5Ω = 11 A/div)

