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BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H4

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PERFORMANCE CHECKSHEET

Model: AVO-9M-B-P-P0-SMXA  
Type: Ultra-High-Speed Laser Diode Driver  
S.N.: 12368  
Date: December 2, 2009

Output Amplitude: 0 to 200V, to 40Ω  
Pulse Width (FWHM): 1 – 10 ns  
Rise Time (20%-80%): ≤ 1 ns  
Fall Time (80%-20%): ≤ 2 ns  
PRF: 1 Hz - 30 kHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

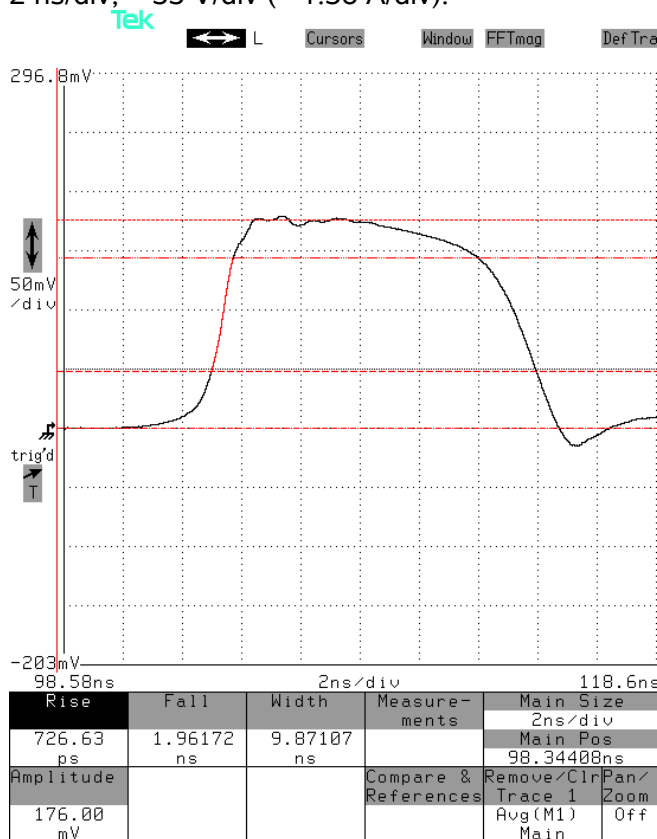
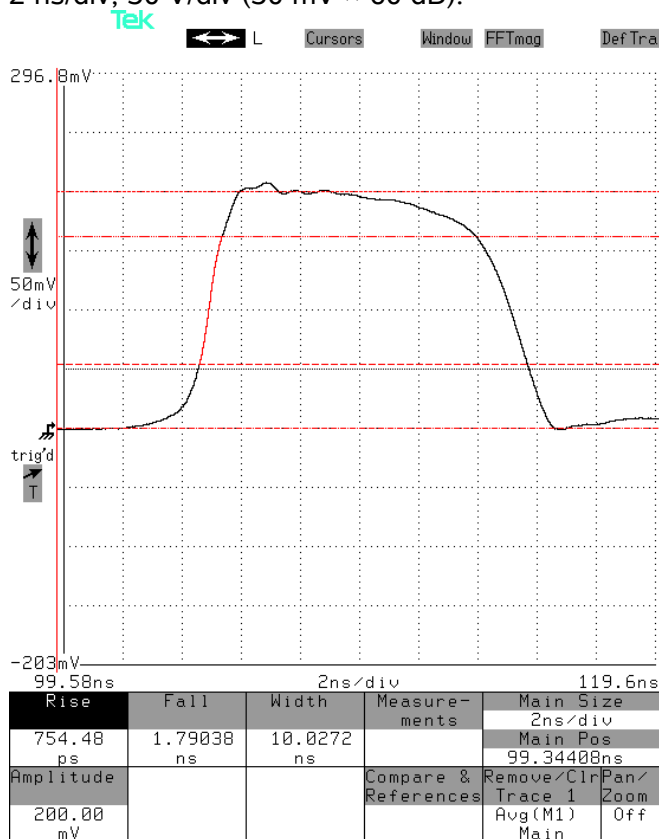
Test Waveforms

Mainframe output, 200V into 40Ω, 30 kHz, 10 ns pulse width:

“MI” output of AVX-S2-P0-SMA into 50 Ohms, with a jumper bar installed in the DUT socket, for 200V, 30 kHz, 10 ns pulse width:

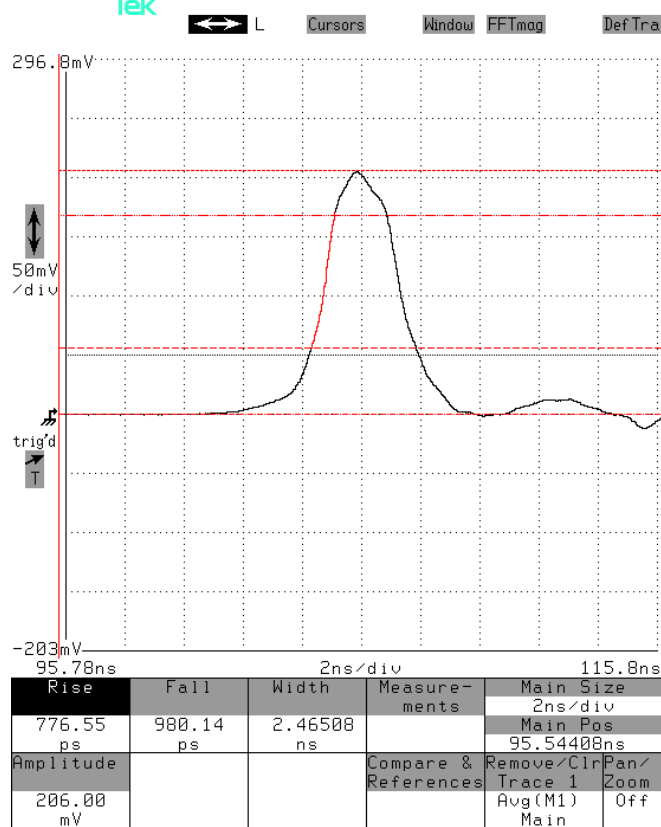
2 ns/div, 50 V/div (50 mV × 60 dB):

2 ns/div, ≈ 55 V/div (≈ 1.38 A/div):



Mainframe output, 200V into 40Ω, 30 kHz, 2.5 ns pulse width:

2 ns/div, 50 V/div (50 mV × 60 dB):



“MI” output of AVX-S2-P0-SMA into 50 Ohms, with a jumper bar installed in the DUT socket, for 200V, 30 kHz, 2.5 ns pulse width:

2 ns/div, ≈ 55 V/div (≈ 1.38 A/div):

