



P.O. BOX 265  
OGDENSBURG, NY  
U.S.A. 13669-0265

TEL: 888-670-8729 (USA & Canada) or +1-613-226-5772 (Intl)  
FAX: 800-561-1970 (USA & Canada) or +1-613-226-2802 (Intl)

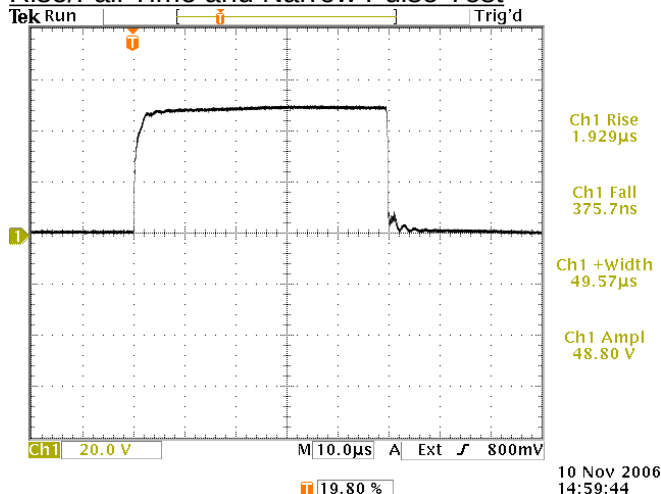
BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H4

info@avtechpulse.com - http://www.avtechpulse.com/

PERFORMANCE CHECKSHEET

Model: AVO-8D1-B-AK3-P  
Type: High-Current Pulsed-Voltage Laser Diode Driver  
S.N.: 11594  
Date: November 10, 2006

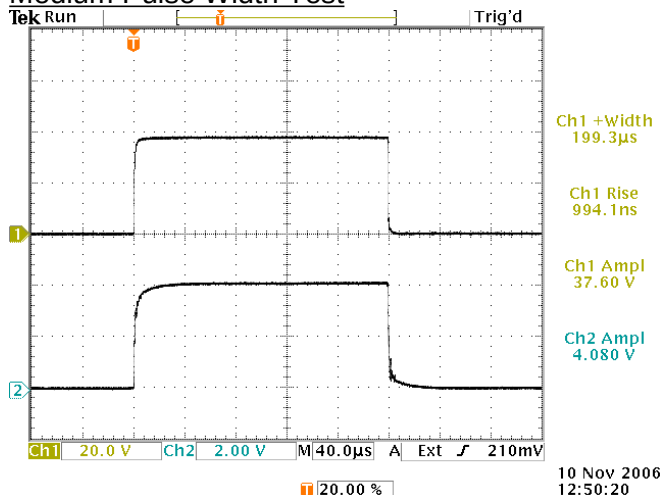
Rise/Fall Time and Narrow Pulse Test



- a) Output Signal Amplitude: 0 to +50V, to 0.1Ω
- b) Pulse Width (FWHM): 5 us – 10 ms
- c) Rise Time (20%-80%): < 2 us
- d) Fall Time (80%-20%): < 2 us
- e) PRF: 1 Hz – 1 kHz
- f) Jitter, Stability: OK
- g) Prime Power: 100-240V AC, 50-60 Hz.

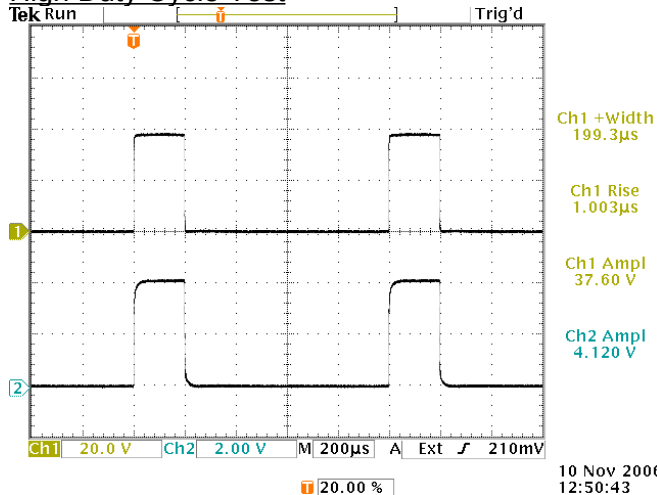
OUT, +49V into AV-HTL-0R1 test load (0.097Ω, 500A). 10%-90% reference levels.

Medium Pulse Width Test



Top: OUT, +38V into AV-HTL-0R1 test load (0.097Ω, ≈ 400A), 200 us pulse width.  
Bottom: Monitor output, into open circuit. 20%-80% reference levels.

High Duty Cycle Test



Top: OUT, +38V into AV-HTL-0R1 test load (0.097Ω, ≈ 400A), 20% duty cycle.  
Bottom: Monitor output, into open circuit. 20%-80% reference levels.