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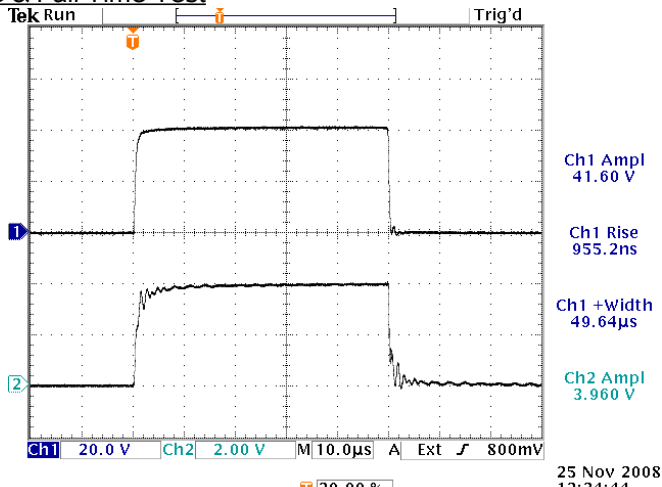
BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H4

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

PERFORMANCE CHECKSHEET

Model: AVO-8C1-B-TRIP-AK4-AK6-R6-P
Type: High-Current Pulsed-Voltage Laser Diode Driver
S.N.: 12120
Date: November 25, 2008

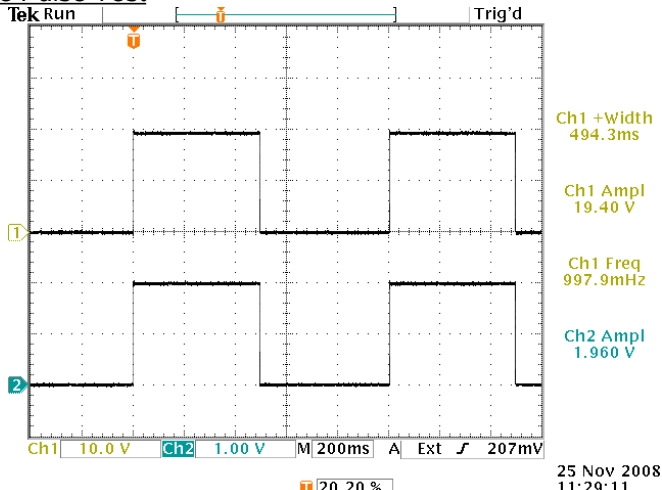
Rise & Fall Time Test



- a) Output Signal Amplitude: 0 to +40V, 0 to +200 Amps.
- b) Pulse Width (FWHM) : 2 us - 1 s
- c) Rise Time (20%-80%): < 1 us
- d) Fall Time (80%-20%): < 1 us
- e) PRF: 1 Hz - 1 kHz
- f) Jitter, Stability: OK
- g) Prime Power: 100-240V AC, 50-60 Hz.

Top: 10 Hz, 50 us, 200A into 0.206Ω. 10 V/div, 10 us/div.
Bottom: Monitor output. 2 V/div, 10 us/div.
Load: Five AX10GK resistors in parallel, on the end of an Avtech AV-CLZ1-60 cable. Power supply: Xantrex XHR 60-18.

Wide Pulse Test



Top: 1 Hz, 500 ms, 20V into 0.215Ω load. 10 V/div, 200 ms/div.
Bottom: Monitor output. 1 V/div, 200 ms/div.

Load: Avtech AV-HTL-0R2 high power load.
Power supply: Xantrex XFR 20-130.

References levels: 10%, 90%.