



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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-2M-B-OS-PN
Type: High Speed Laser Diode Driver
S.N.: 11857
Date: October 22, 2007

Output Amplitude: 0 to $\pm 4.5A$, to 10Ω
Pulse Width (FWHM): 1 – 10 ns
Rise Time (20%-80%): ≤ 1 ns
Fall Time (80%-20%): ≤ 1 ns
PRF: 1 Hz - 40 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

Test Waveforms

10 kHz, 10 ns, +50V into a 10 Ohm resistive load.

10 kHz, 4 ns, -50V into 10 Ohms in series with a 1N459A high-speed switching diode (oriented for forward bias pulsing). The waveform shows the voltage across the 10 Ohm resistance.

2 ns/div. 20 V/div (200 mV \times 40 dB):

2 ns/div. 20 V/div (200 mV \times 40 dB):

