



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

TEL: 888-670-8729 (USA & Canada) or +1-613-686-6675 (Intl)  
FAX: 800-561-1970 (USA & Canada) or +1-613-686-6679 (Intl)

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

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

PERFORMANCE CHECKSHEET

Model: AVO-9B1-B-P1C-T1C-N  
Type: Ultra-High-Speed Laser Diode Driver  
S.N.: 12346  
Date: September 29, 2009

Output Amplitude: 0 to -13V, to 50Ω  
Pulse Width (FWHM): 0.5 – 1000 ns  
Rise Time (20%-80%): ≤ 250 ps  
Fall Time (80%-20%): ≤ 250 ps  
PRF: 1 Hz - 1 MHz  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

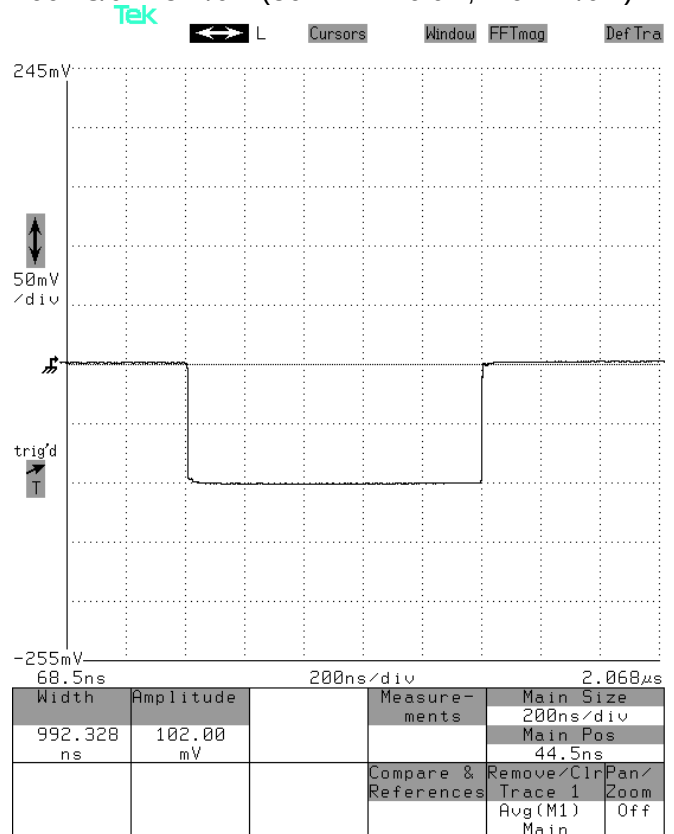
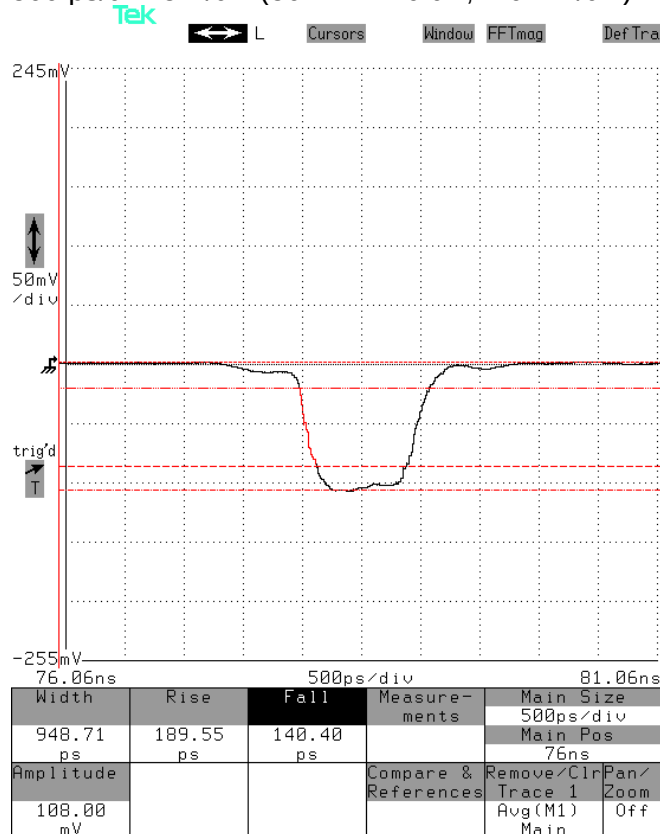
Test Waveforms

Mainframe output, -10V into 50Ω, 10 kHz, 1 ns pulse width:

Mainframe output, -10V into 50Ω, 10 kHz, 1 μs pulse width:

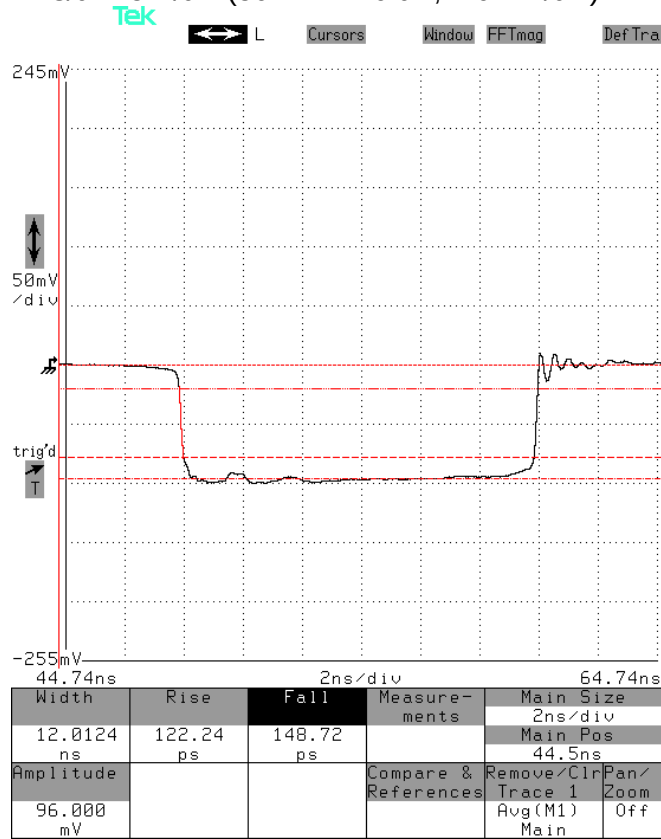
500 ps/div. 5 V/div (50 mV × 40 dB, = 0.1 A/div):

200 ns/div. 5 V/div (50 mV × 40 dB, = 0.1 A/div):



Mainframe output, -10V into 50Ω, 10 kHz, 12 ns pulse width:

2 ns/div. 5 V/div (50 mV × 40 dB, = 0.1 A/div):



“MI” output of AVX-S1-T1C-P1C into 50 Ohms, with a 1N459 diode installed in series with 25 Ohms, for -10V, 10 kHz, 12 ns pulse width:

2 ns/div. 0.5 V/div (50 mV × 20 dB, ≈ 0.11 A/div):

