



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 3H5

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

PERFORMANCE CHECKSHEET

Model: AVO-9L-C-P2-P-SYRA
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 12954
Date: January 18, 2013

Output Amplitude: up to +50V, to 50Ω
Pulse Width (FWHM): 1 - 20 ns
Rise Time (20%-80%): ≤ 500 ps
Fall Time (80%-20%): ≤ 500 ps
PRF: up to 100 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

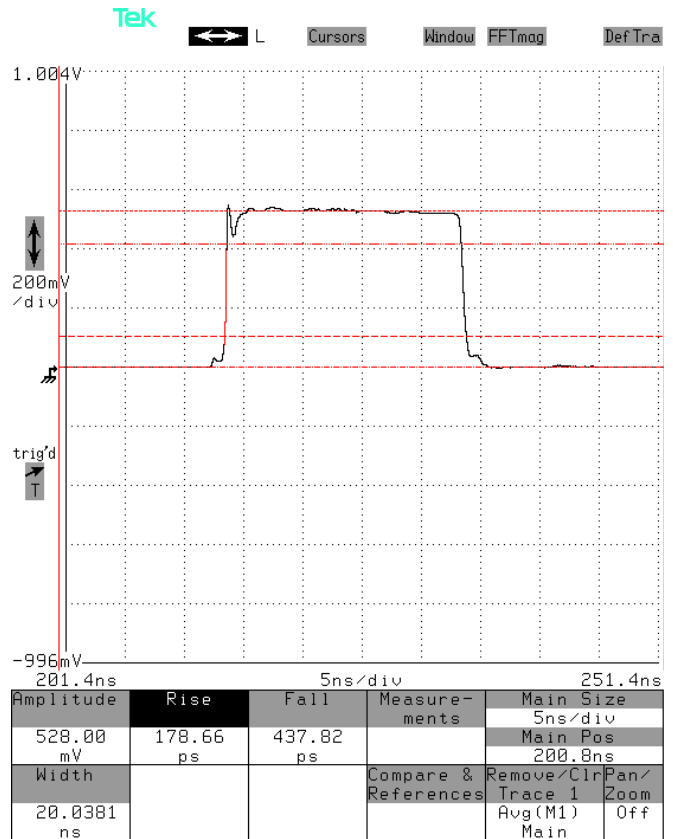
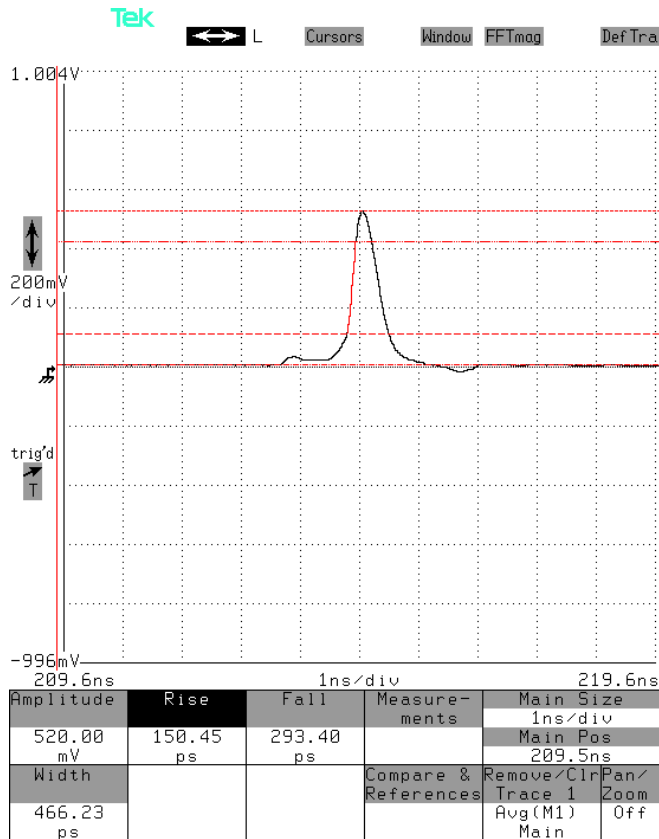
Test Waveforms

Mainframe output into 50 Ohm load (no output module) at 100 kHz, < 1 ns, > +50V,

Mainframe output into 50 Ohm load (no output module) at 100 kHz, 20 ns, > +50V,

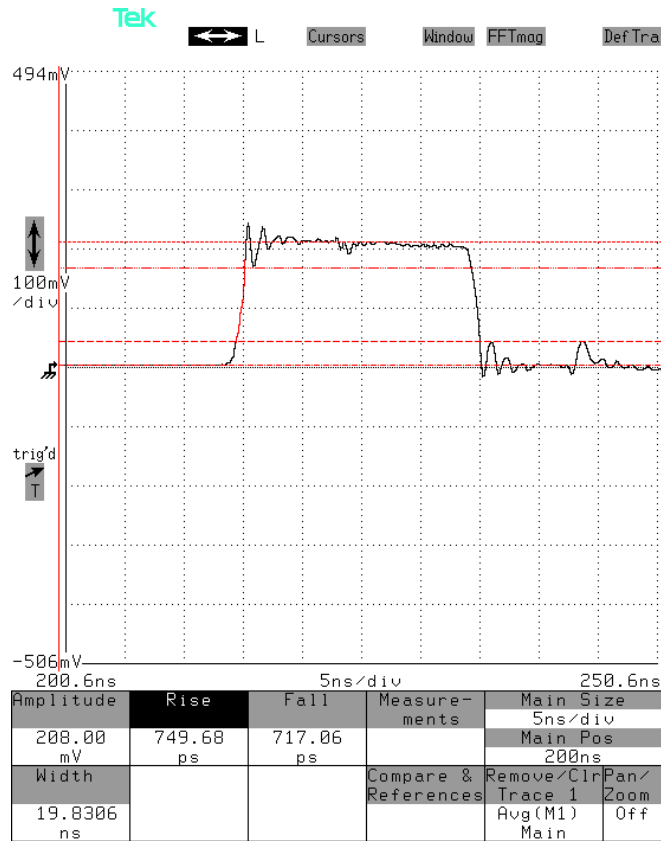
1 ns/div. 20 V/div (200 mV × 40 dB):

5 ns/div. 20 V/div (200 mV × 40 dB):



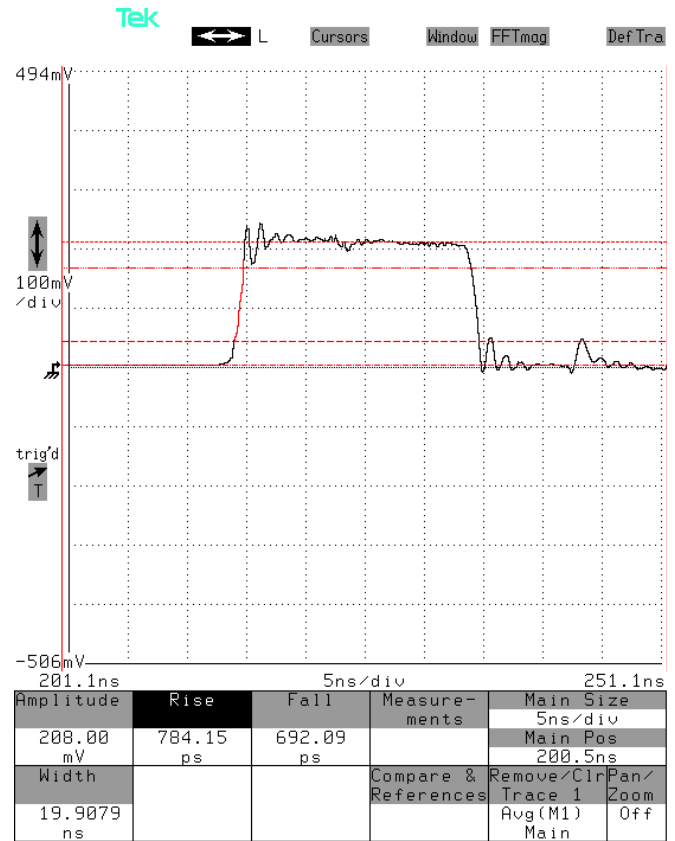
“MI” output of AVX-S1-HC-P2-SYRA into 50 Ohms, for > +50V, 100 kHz, 20 ns pulse width, with a zero-Ohm jumper installed in the output sockets:

5 ns/div. 1 V/div (100 mV × 20 dB, ≈ 0.92 A/div):



“MI” output of AVX-S1-HC-P5 into 50 Ohms, for > +50V, 100 kHz, 20 ns pulse width, with a zero-Ohm jumper installed in the output sockets:

5 ns/div. 1 V/div (100 mV × 20 dB, ≈ 0.92 A/div):



The inductance of the device and the monitor circuit degrade the apparent rise and fall times somewhat.