



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-9H-B-P1B-T1B-P-KMP1
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 12300
Date: September 1, 2009

Output Amplitude: 0 to +103V, to 50Ω
Pulse Width (FWHM): 10 – 200 ns
Rise Time (20%-80%): ≤ 700 ps
Fall Time (80%-20%): ≤ 700 ps
PRF: 1 Hz - 50 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

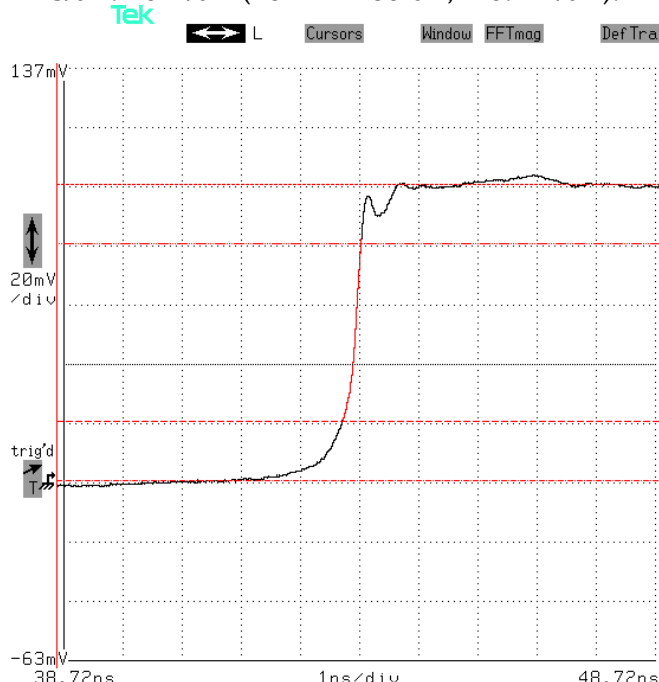
Test Waveforms

Mainframe output, +103V into 50 Ohms, 10 kHz,
200 ns pulse width, rising edge:

Mainframe output, +103V into 50 Ohms, 10 kHz,
200 ns pulse width, falling edge:

1 ns/div. 20 V/div (20 mV × 60 dB, = 0.4 A/div):

2 ns/div. 20 V/div (20 mV × 60 dB, = 0.4 A/div):

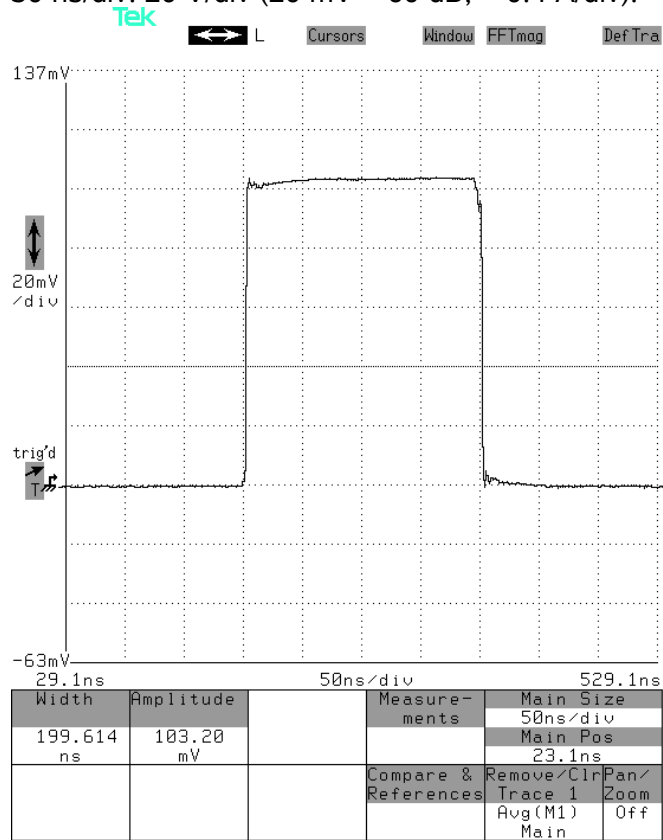


Rise	Fall	Width	Measure-ments	Main Size
317.05 ps	error	error		1ns/div
Amplitude			Compare & References	Main Pos
100.00 mV			Remove/Clr Trace 1	38.6ns
			Avg(M1)	Pan/Zoom
			Main	Off

Rise	Fall	Width	Measure-ments	Main Size
error	503.65 ps	error		2ns/div
Amplitude			Compare & References	Main Pos
102.40 mV			Remove/Clr Trace 1	231.1ns
			Avg(M1)	Pan/Zoom
			Main	Off

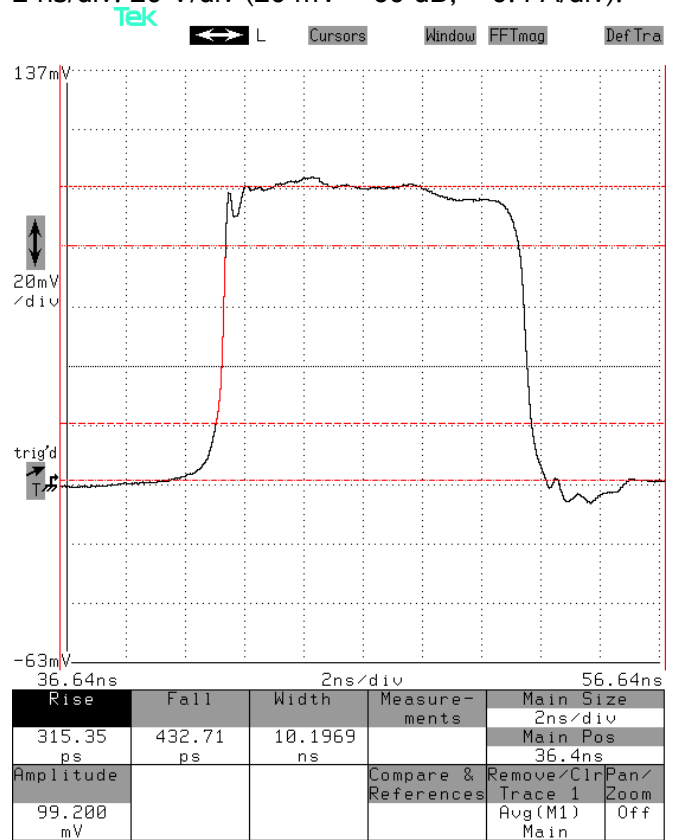
Mainframe output, +103V into 50 Ohms, 10 kHz,
200 ns pulse width, full pulse:

50 ns/div. 20 V/div (20 mV × 60 dB, = 0.4 A/div):



Mainframe output, +103V into 50 Ohms, 10 kHz,
10 ns pulse width, full pulse:

2 ns/div. 20 V/div (20 mV × 60 dB, = 0.4 A/div):



“MI” output of AVX-S2-T1B-P1B-KMP1 into 50 Ohms, with a 1N459 diode installed, for +100V, 10 kHz, 100 ns pulse width:

20 ns/div. 2 V/div (20 mV × 40 dB, ≈ 0.44 A/div):

