



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVO-9B1-B-P-P6-AK8-AC06
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 13398
Date: February 18, 2016

Output Amplitude: up 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: →

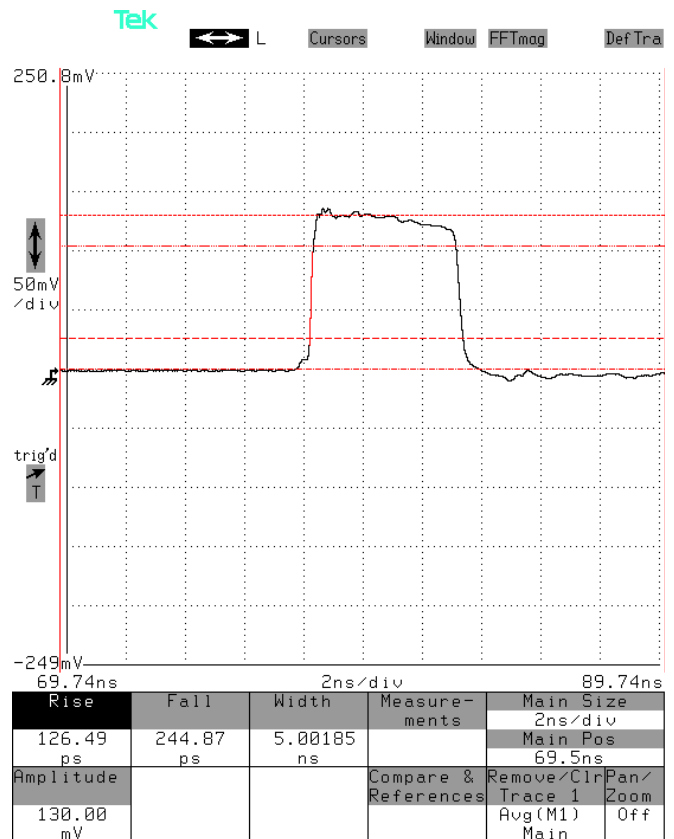
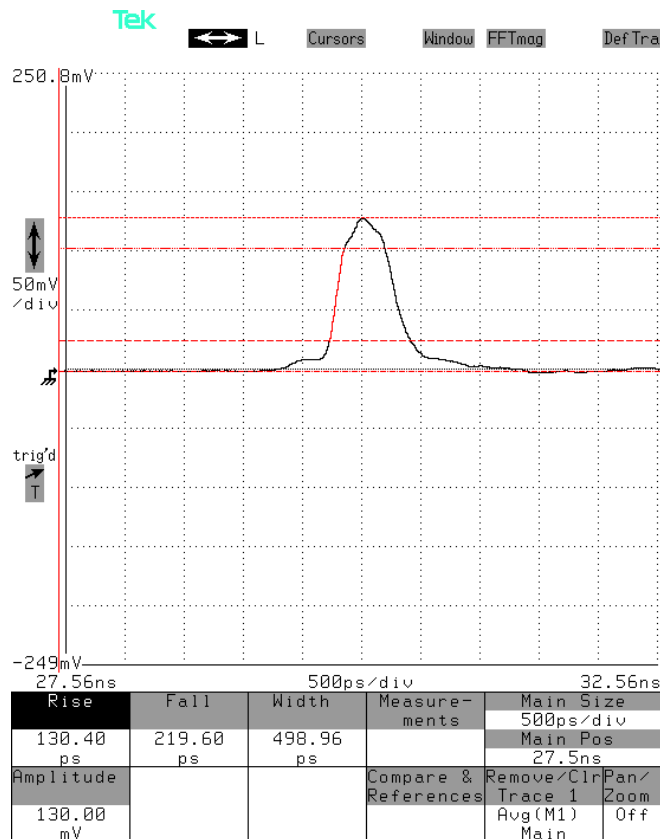
Test Waveforms

Mainframe output into 50 Ohm load at 10 kHz,
500 ps, +13V,

Mainframe output into 50 Ohm load at 10 kHz,
5 ns, +13V,

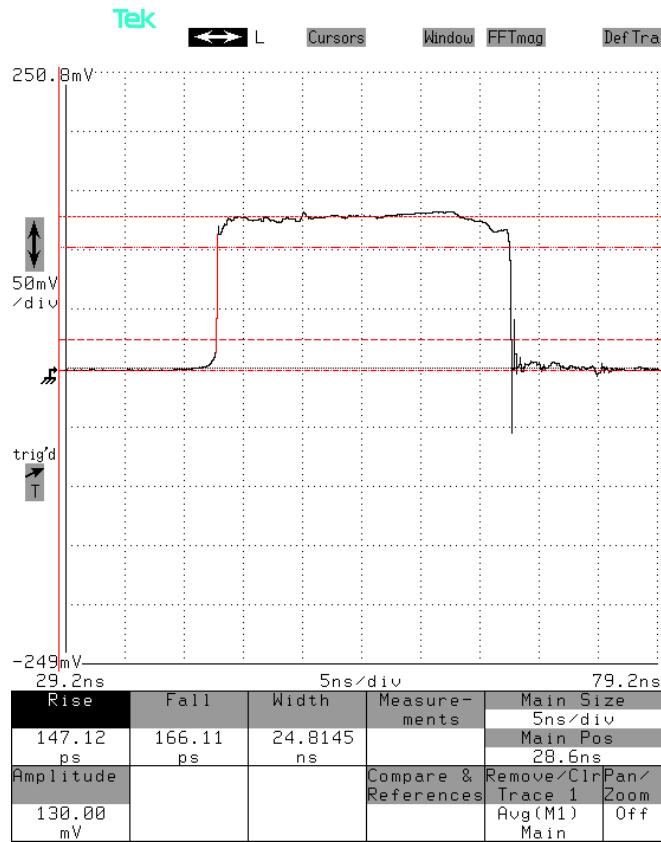
500 ps/div. 5 V/div (50 mV/div × 40 dB):

2 ns/div. 5 V/div (50 mV/div × 40 dB):



Mainframe output into 50 Ohm load at 10 kHz,
25 ns, +13V,

5 ns/div. 5 V/div (50 mV/div × 40 dB):



Mainframe output into 50 Ohm load at 10 kHz,
1 us, +13V,

200 ns/div. 5 V/div (50 mV/div × 40 dB):

