



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVO-9A5-B-P-P2-S105
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 12898
Date: October 10, 2012

Output Amplitude: up to +53V, to 50Ω
Pulse Width (FWHM): 1 – 10 ns
Rise Time (20%-80%): ≤ 500 ps
Fall Time (80%-20%): ≤ 1 ns
PRF: 1 Hz – 1 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

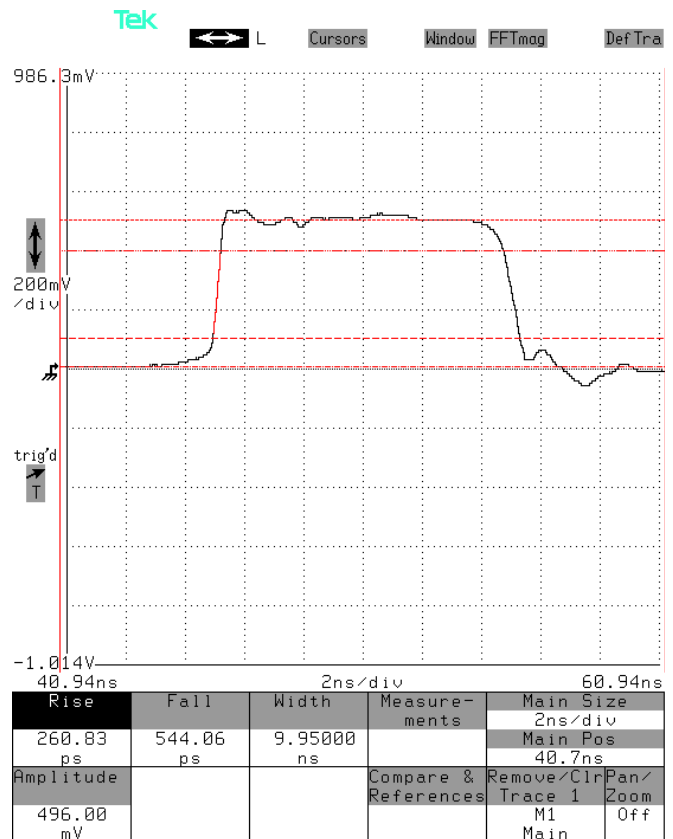
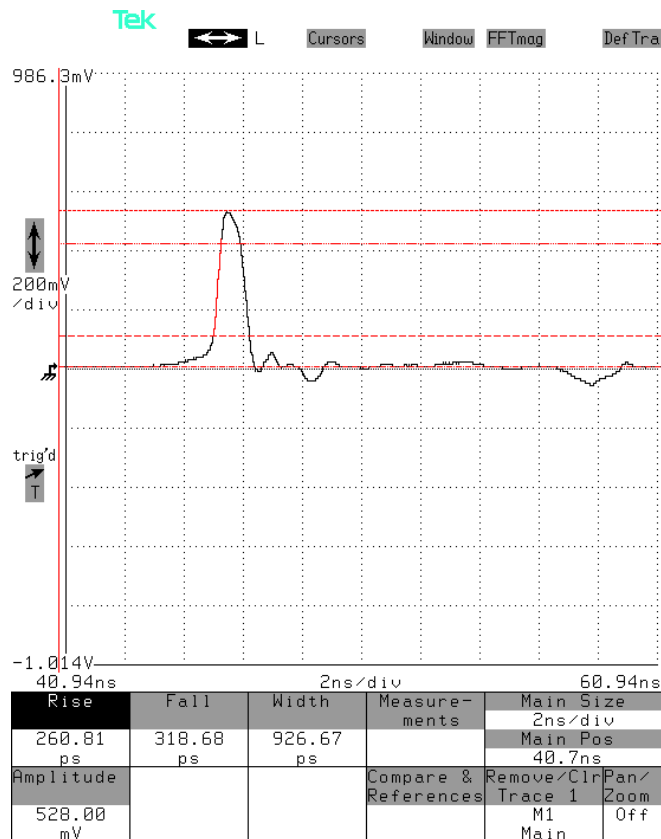
Test Waveforms

Mainframe output into 50 Ohm load at 100 kHz,
< 1 ns, > +50V,

Mainframe output into 50 Ohm load at 100 kHz,
10 ns, +50V,

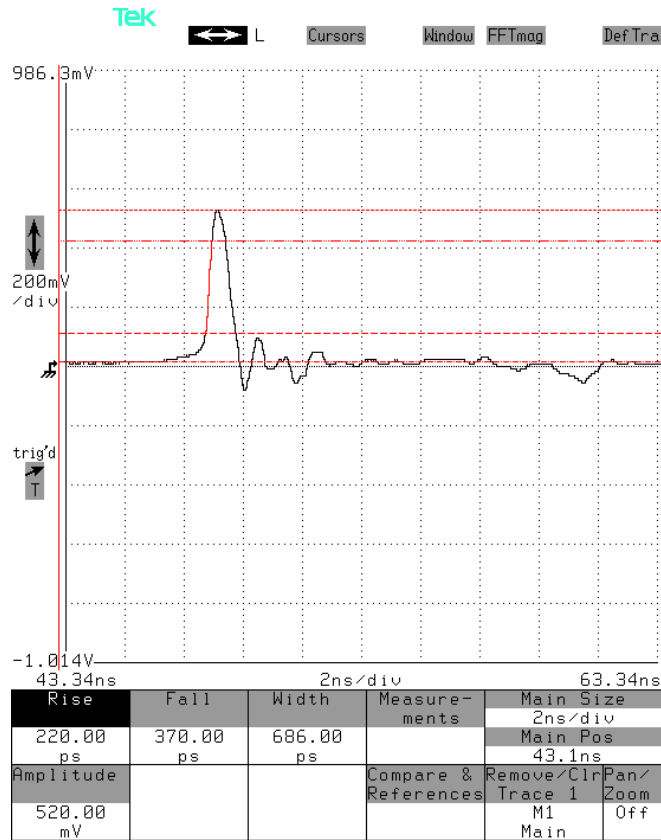
2 ns/div. 20 V/div (200 mV × 40 dB):

2 ns/div. 20 V/div (200 mV × 40 dB):



Output Module "MI" output into 50 Ohm load at 100 kHz, < 1 ns, > +50V, with a 0Ω DUT in the socket,

2 ns/div. 2 V/div (200 mV × 20 dB):



Output Module "MI" output into 50 Ohm load at 100 kHz, 10 ns, +50V, with a 0Ω DUT installed in the socket,

2 ns/div. 2 V/div (200 mV × 20 dB):

