



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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☒ BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVO-9W-B-P-NEA-AK1-AK8-AC02-AC03
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 12800
Date: April 5, 2012

Output Amplitude: up to +10A
Pulse Width (FWHM): 4 - 50 ns
Rise Time (20%-80%): ≤ 2.5 ns
Fall Time (80%-20%): ≤ 3.5 ns
PRF: 1 Hz - 20 kHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

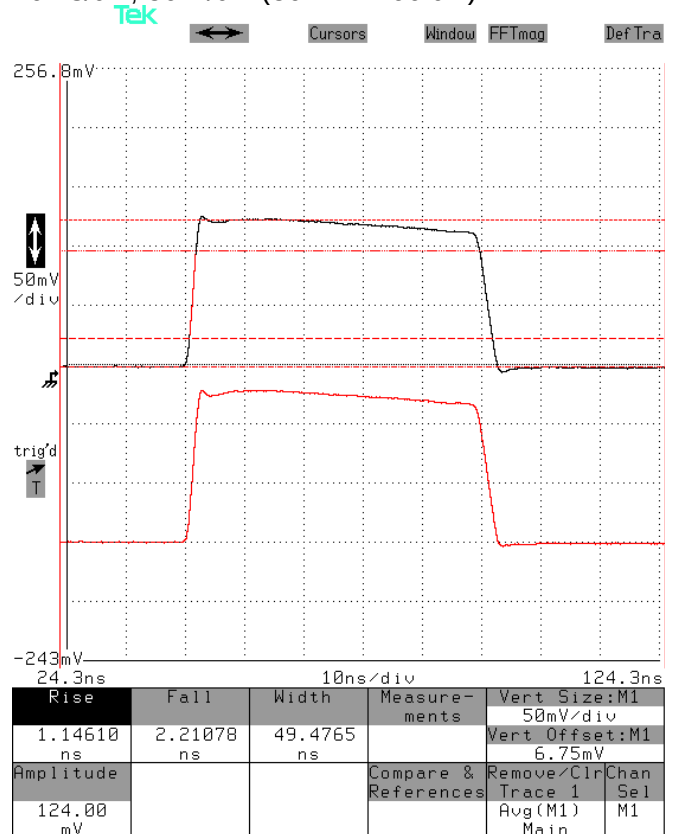
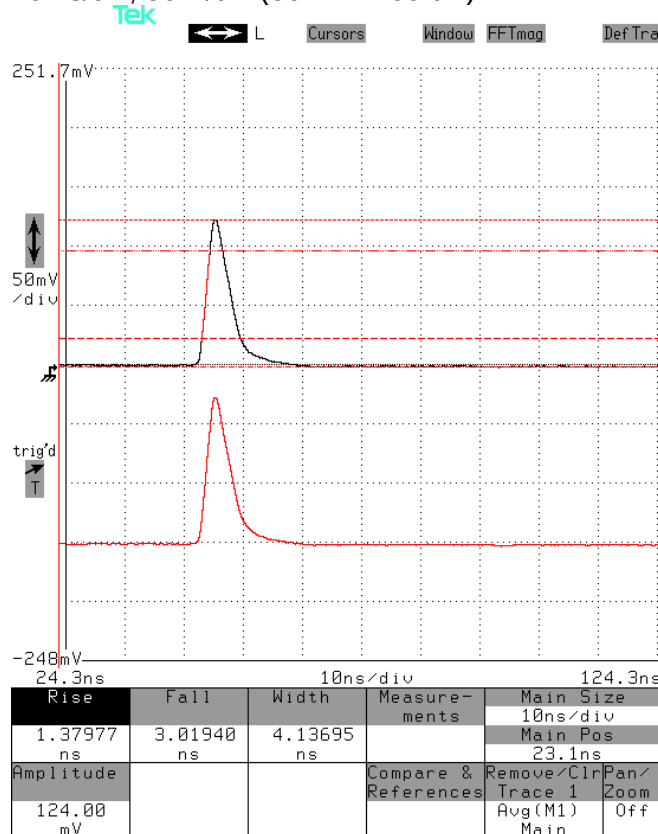
Test Waveforms

Mainframe outputs, +125V into 50Ω, 10 kHz, 4 ns pulse width:

Mainframe outputs, +125V into 50Ω, 10 kHz, 4 ns pulse width:

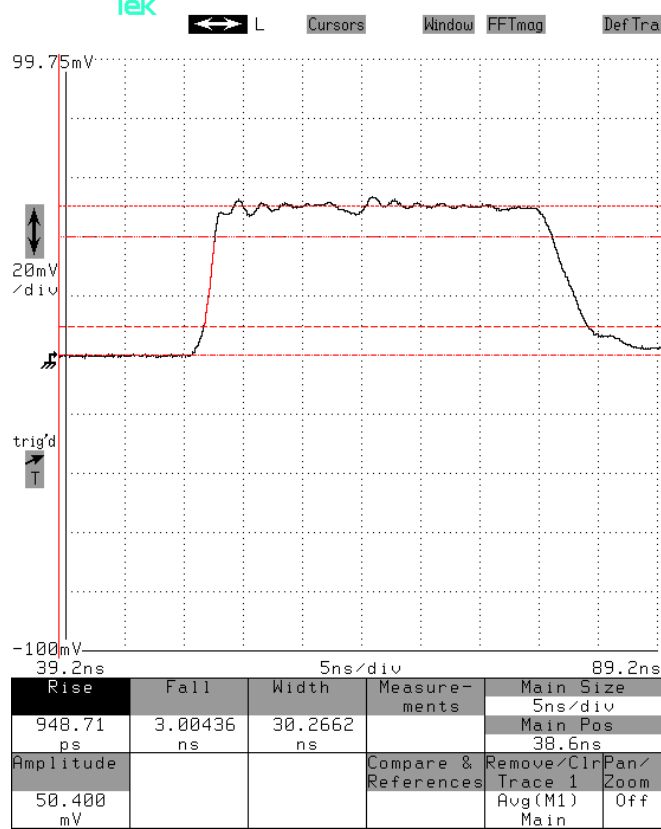
10 ns/div, 50 V/div (50 mV × 60 dB):

10 ns/div, 50 V/div (50 mV × 60 dB):



"MI" output of AVX-S3C-P1B-T1B into 50 Ohms, with a jumper bar installed in the DUT socket, for +125V, 10 kHz, 30 ns pulse width:

5 ns/div, ≈ 4.4 A/div:



"MI" output of AVX-S3C-NEA into 50 Ohms, with a jumper bar installed in the DUT socket, for +125V, 10 kHz, 30 ns pulse width:

5 ns/div, ≈ 4.4 A/div:

