PERFORMANCE CHECKSHEET

Model: AVO-9A3-B-P-P1B-T1B
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 13939
Date: December 16, 2019

Basic specifications: →

Test Waveforms

Mainframe output into 50 Ohm load at 10 kHz, 600 ps, +40V,

500 ps/div. 20 V/div (200 mV/div × 40 dB):

Mainframe output into 50 Ohm load at 10 kHz, 2 ns, +40V,

1 ns/div. 20 V/div (200 mV/div × 40 dB):

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AVTECH ELECTROSYSTEMS LTD.
NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975
Top waveform: Voltage across the parallel combination of the 4.5 Ω effective resistance. It should be approximately \((+40\text{V} / 54.5\Omega) \times 4.5\Omega = +3.3\text{V}\) in amplitude, which agrees with the observed waveform.

Bottom waveform: “MI” output, approximately +40V / 11.

Both: 500 ps/div, 2 V/div (200 mV/div \times 20 \text{dB}).