



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-9A-B-DPP-P1B-T1B-P-RAYC
Type: Ultra-High-Speed Laser Diode Driver
S.N.: 12276
Date: July 17, 2009

Output Amplitude: 0 to +28V, to 50Ω
Pulse Width (FWHM): 0.5 - 4 ns
Rise Time (20%-80%): ≤ 250 ps
Fall Time (80%-20%): ≤ 400 ps
PRF: 1 Hz – 1 MHz
Jitter, Stability: OK
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

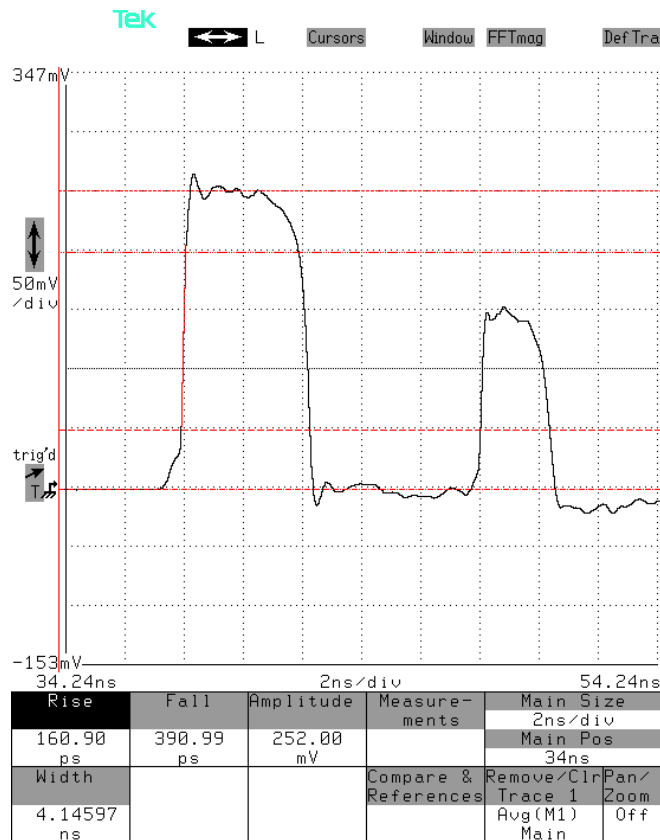
Test Waveforms

Mainframe output, +25V / 4 ns and +15V / 2 ns pulses, into 50 Ohms, 10 kHz,

2 ns/div. 5 V/div (50 mV × 40 dB):

MI" output of AVX-S1-P1B-T1B into 50 Ohms, with the same settings and an 1N459A diode installed as the DUT:

2 ns/div. 0.5 V/div (50 mV × 20 dB, ≈ 0.11 A/div):



The inductance of the DUT causes the spikes on the rising and fall edges.