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BOX 5120, LCD MERIVALE  
OTTAWA, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVX-2  
Type: Inverting Transformer  
S.N.: 14032  
Date: July 22, 2020

Impedance: 50 Ohms  
Maximum input: 50V  
Maximum pulse width: 10 ns  
Rise time (20%-80%): < 60 ps  
Drop: < 10 %

Basic specifications: →

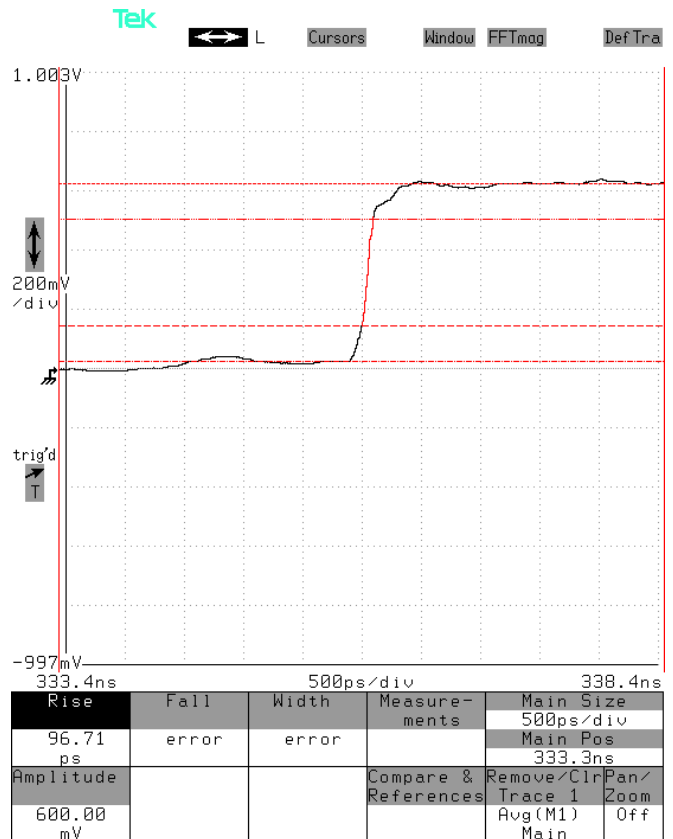
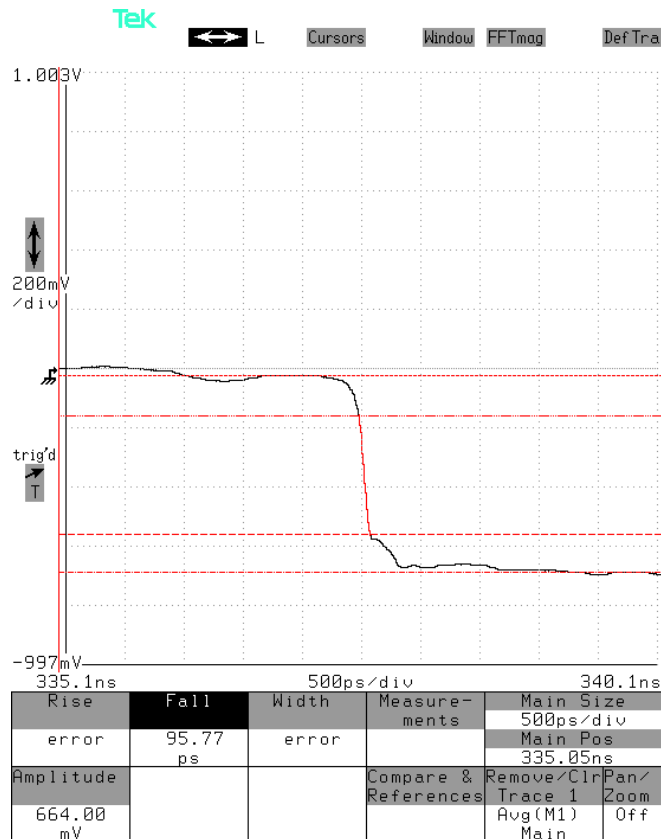
Rise-Time Test

Fast-rise-time input to AVX-2,

500 ps/div. 2 V/div (200 mV/div × 20 dB):

Corresponding output of AVX-2,

500 ps/div. 2 V/div (200 mV/div × 20 dB):

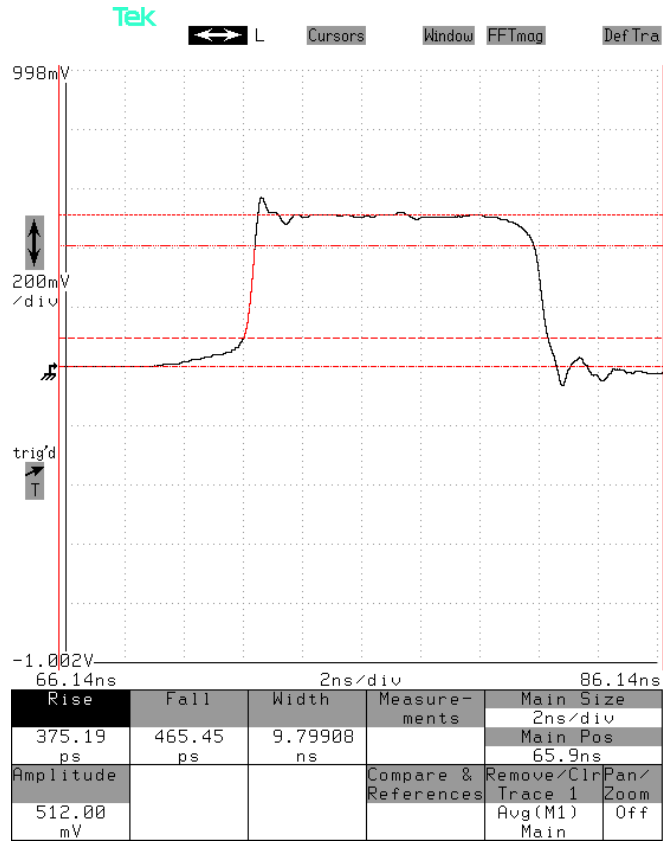


With a 95.77ps input, the output rise time is expected to be  $< \sqrt{(95.77^2 + 60^2)}$ , or 113 ps. This is confirmed in the waveform above.

## Maximum Amplitude / Pulse Width Test

High-voltage input to AVX-2 (from AVR-E3-B-E3),

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



Corresponding output of AVX-2,

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

