



info@avtechpulse.com
http://www.avtechpulse.com/

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, CANADA K2C3H5

PERFORMANCE CHECKSHEET

Model: AVX-2
Type: Inverting Transformer
S.N.: 14031
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: →

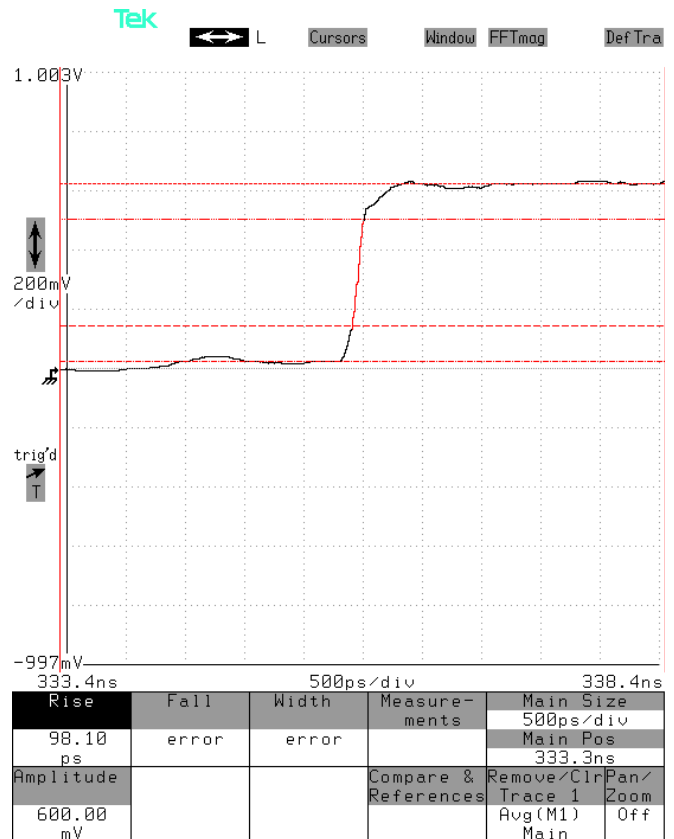
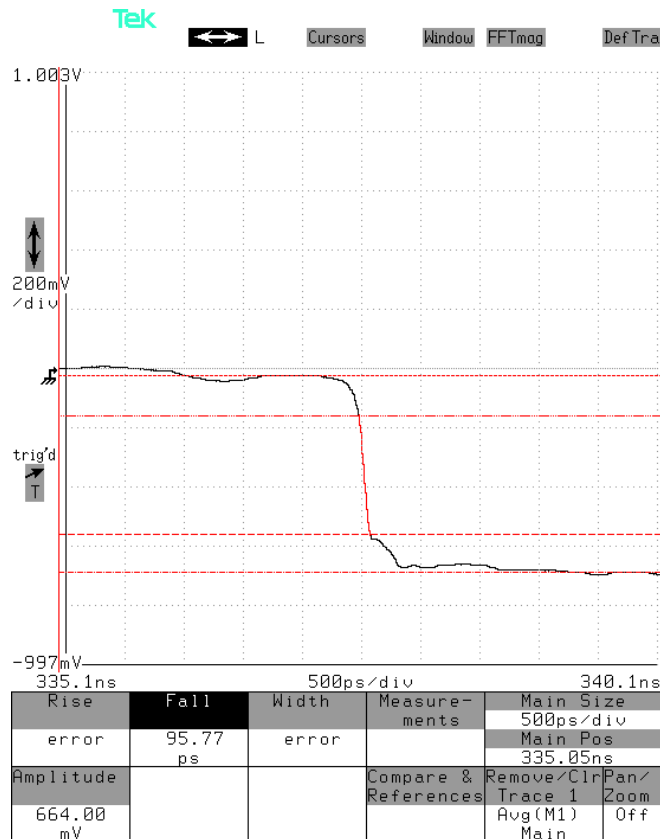
Rise-Time Test

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):

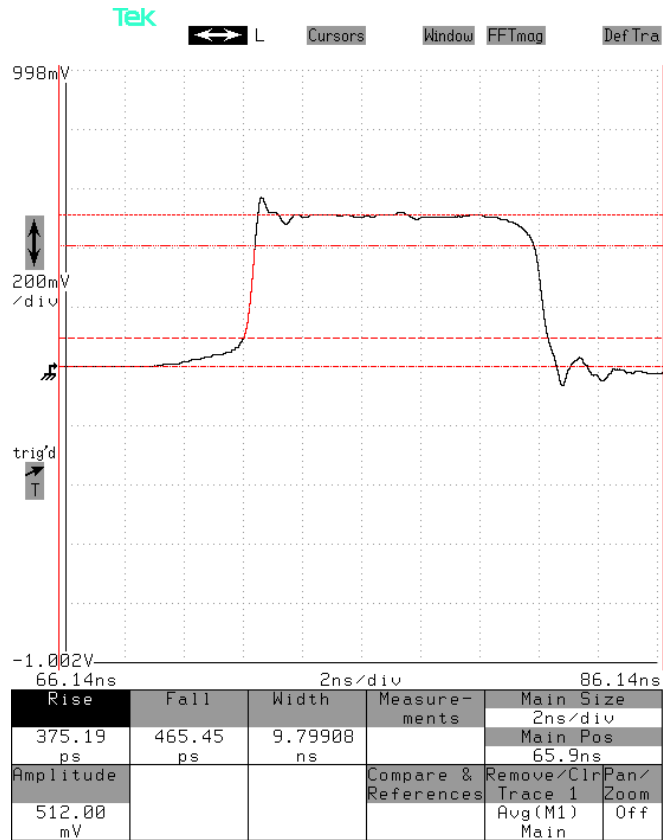


With a 95.77ps input, the output rise time is expected to be $\sqrt{(95.77^2 + 60^2)}$, or 113 ps. This is confirmed in the waveform above.

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):

