



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVX-1  
Type: Inverting Transformer  
S.N.: 13635  
Date: September 18, 2017

Impedance: 50 Ohms  
Maximum input: 350V  
Maximum pulse width: 100 ns  
Rise time (20%-80%): < 300 ps  
Drop: < 10 %

Basic specifications: →

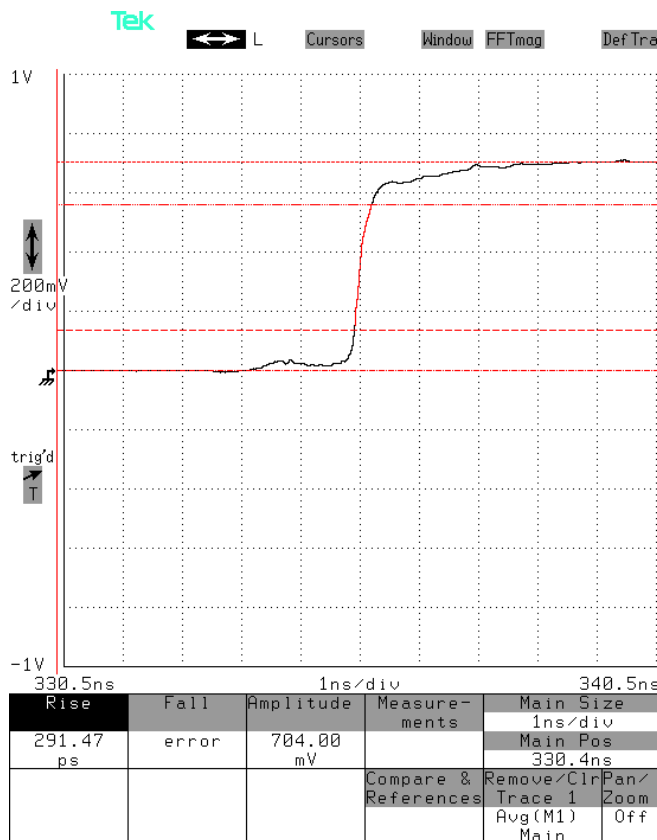
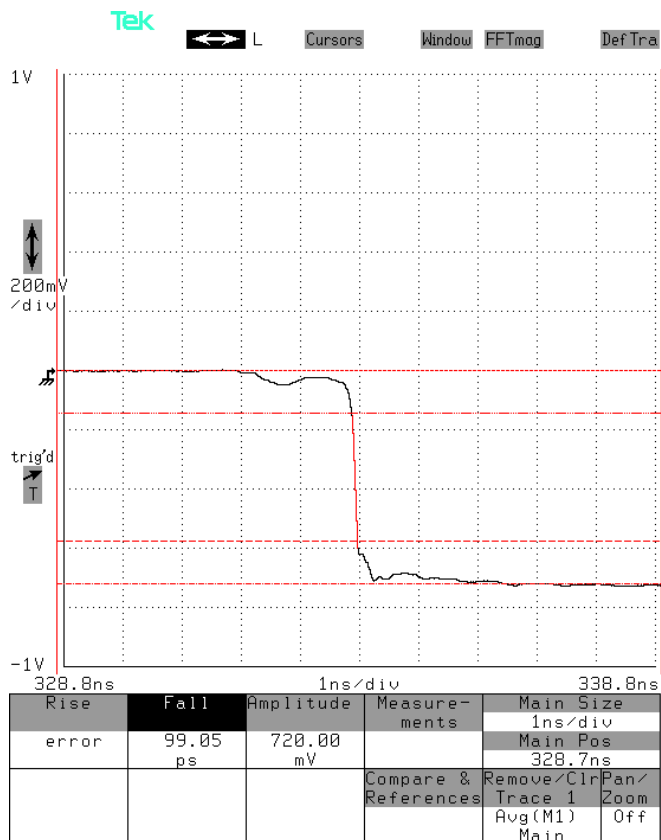
### Rise-Time Test

Fast-rise-time input to AVX-1,

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

Corresponding output of AVX-1,

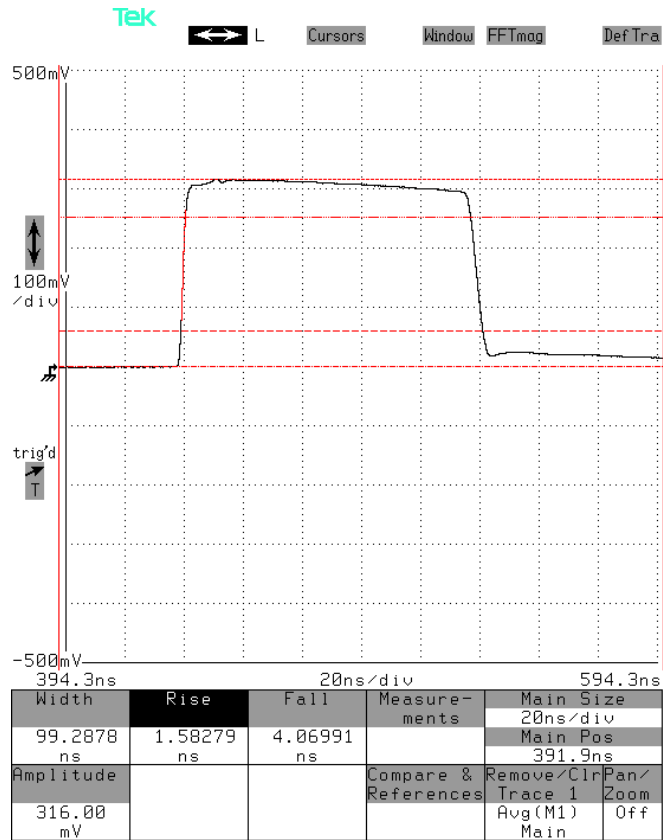
1 ns/div. 2 V/div (200 mV/div × 20 dB):



## Maximum Amplitude / Pulse Width Test

High-voltage input to AVX-1,

20 ns/div. 100 V/div (100 mV/div × 60 dB):



Corresponding output of AVX-1,

20 ns/div. 100 V/div (100 mV/div × 60 dB):

