



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVX-1A
Type: Inverting Transformer
S.N.: 13483
Date: July 12, 2016

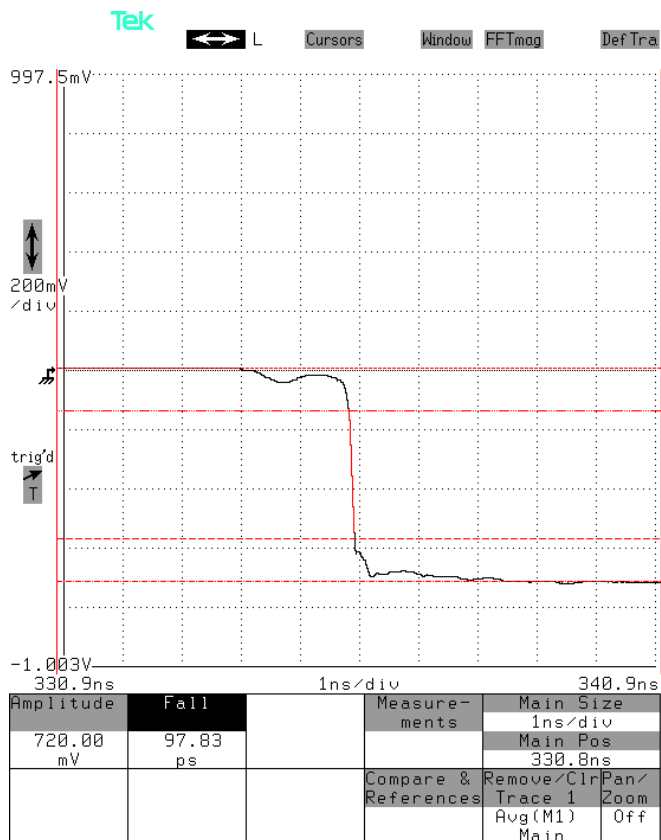
Impedance: 50 Ohms
Maximum input: 100V
Maximum pulse width: 1 us
Rise time (20%-80%): < 300 ps (for step input)
Drop at max. PW: < 10 %

Basic specifications: →

Rise-Time Test

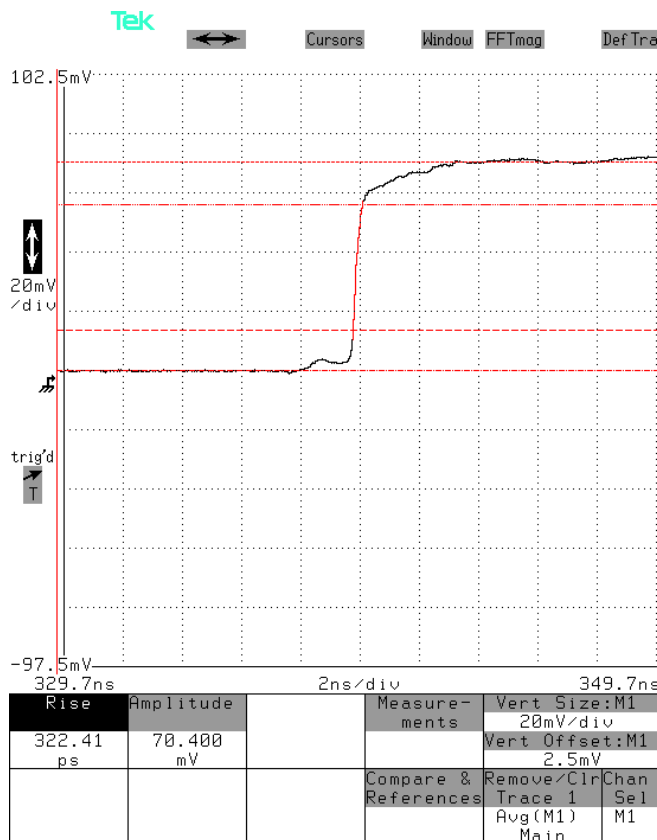
Fast-rise-time input to AVX-1A,

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

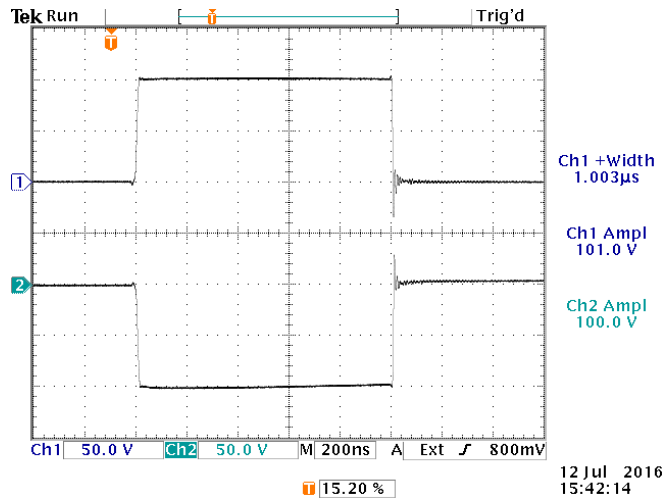


Corresponding output of AVX-1A,

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



Maximum Amplitude / Pulse Width Test



Top: +100V, 1 us input to AVX-1A

Bottom: Corresponding -100V output of AVX-1A