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BOX 5120, LCD MERIVALE
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PERFORMANCE CHECKSHEET

Model: AVX-M1-S
Type: Voltage-Doubling Transformer
S.N.: 13611
Date: October 10, 2017

Impedance: 50 Ohms to 200 Ohms
Maximum input: 30V
Maximum pulse width: 10 ns
Rise time (20%-80%): < 100 ps
Drop: < 5 %

Basic specifications: →

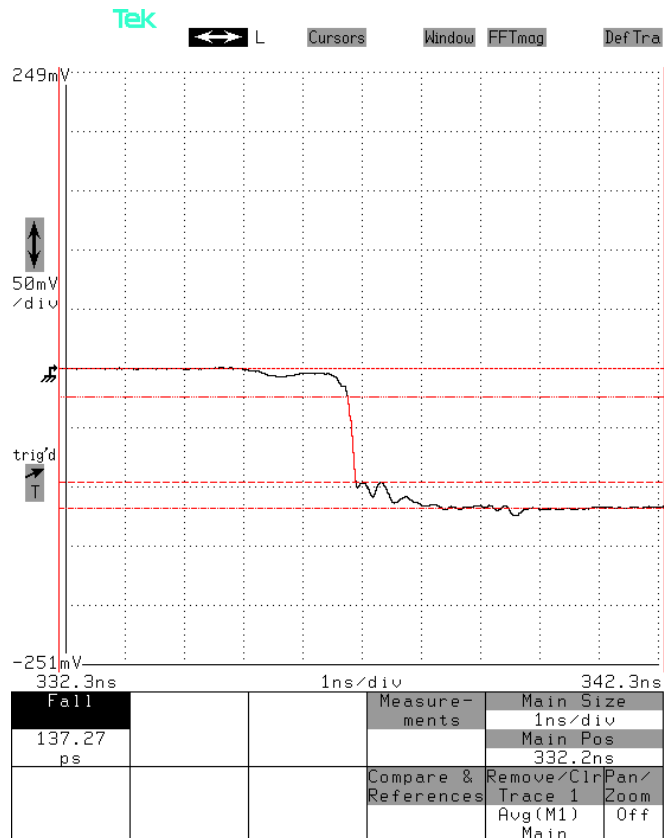
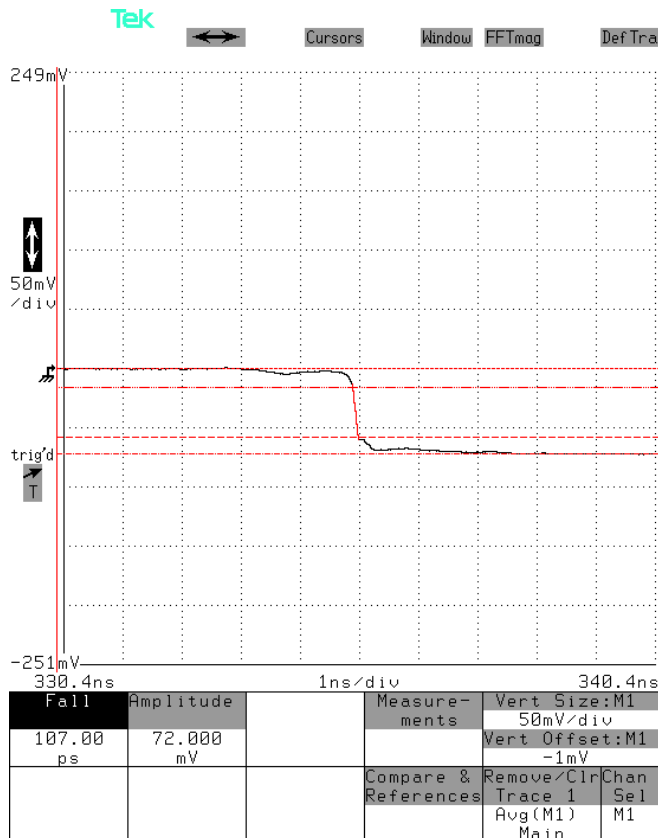
Rise-Time Test

Fast-rise-time input to AVX-M1-S,

1 ns/div. 5 V/div (50 mV/div × 40 dB):

Corresponding output of AVX-M1-S,

1 ns/div. 5.5 V/div (50 mV/div × 41 dB):

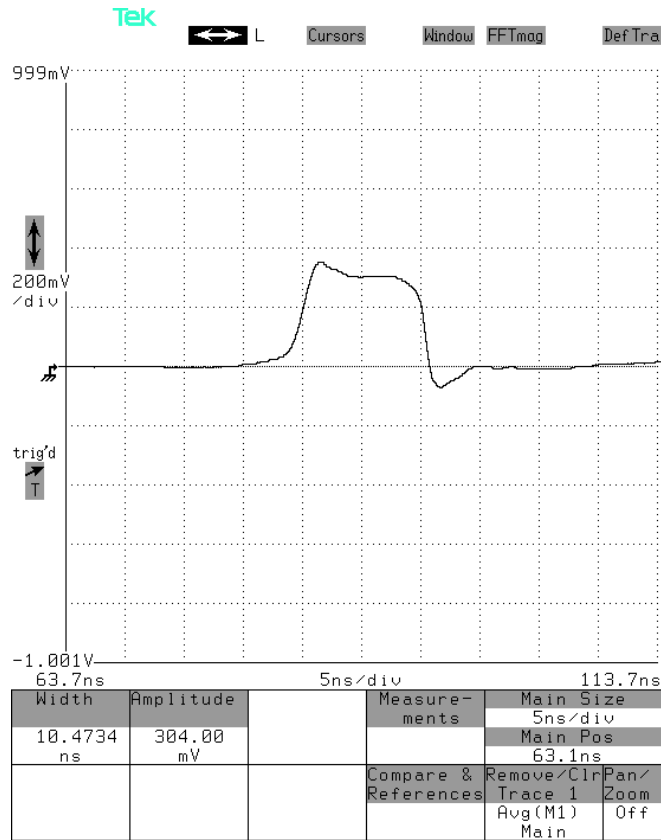


Measured using a 330 Ohm resistor on the output, with an AVX-BP-1 probe and 20 dB attenuator (550 Ohms input impedance, 110:1 or 41 dB attenuation), for a total load of ~200 Ohms.

Maximum Amplitude / Pulse Width Test

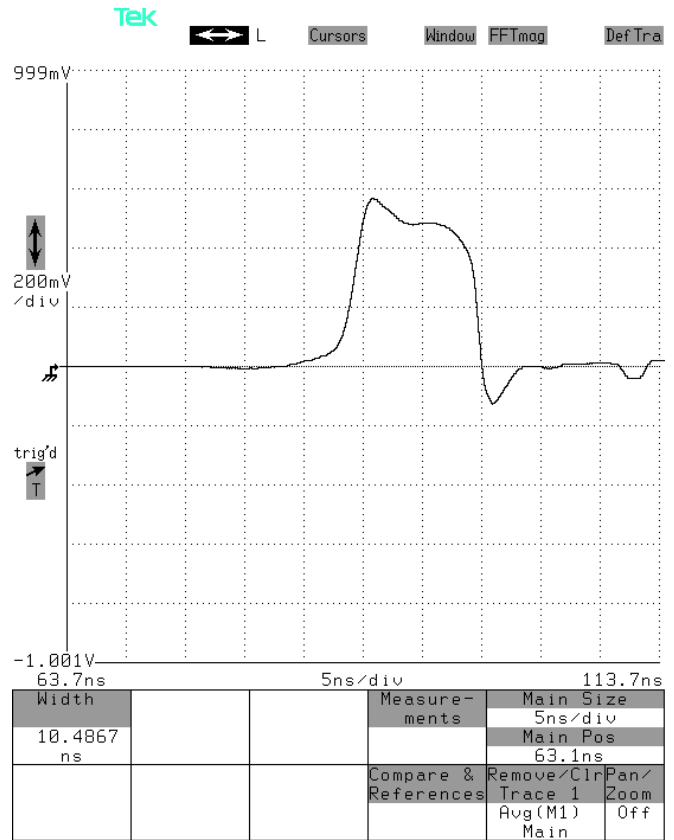
High-voltage input to AVX-M1-S (from AVIR-4-B),

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



Corresponding output of AVX-M1-S,

5 ns/div. 22 V/div (200 mV/div × 41 dB):



Measured using a 330 Ohm resistor on the output, with an AVX-BP-1 probe and 20 dB attenuator (550 Ohms input impedance, 110:1 or 41 dB attenuation), for a total load of ~200 Ohms.