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PERFORMANCE CHECKSHEET

Model: AVX-M4-H  
Type: Current-Quadrupling Pulse Transformer  
S.N.: 13430  
Date: March 8, 2016

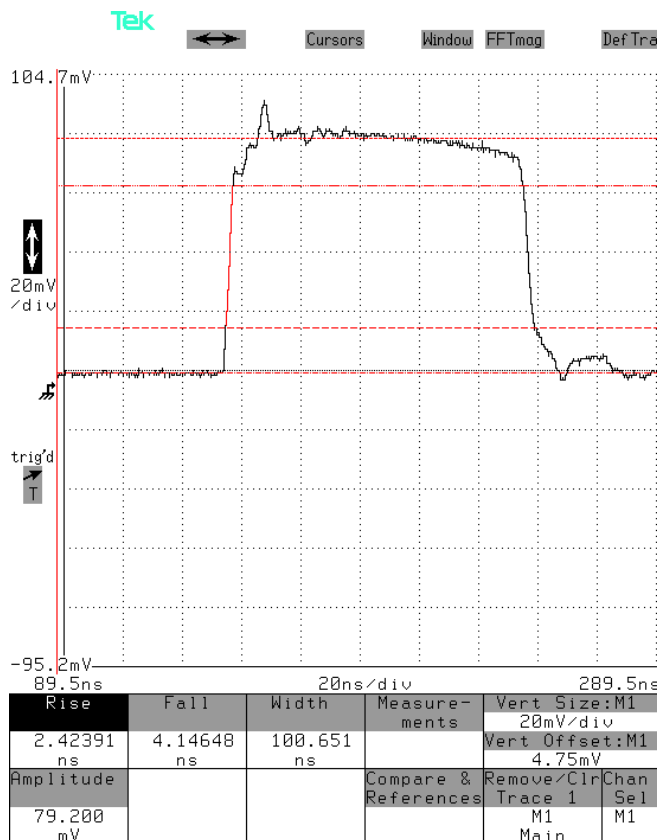
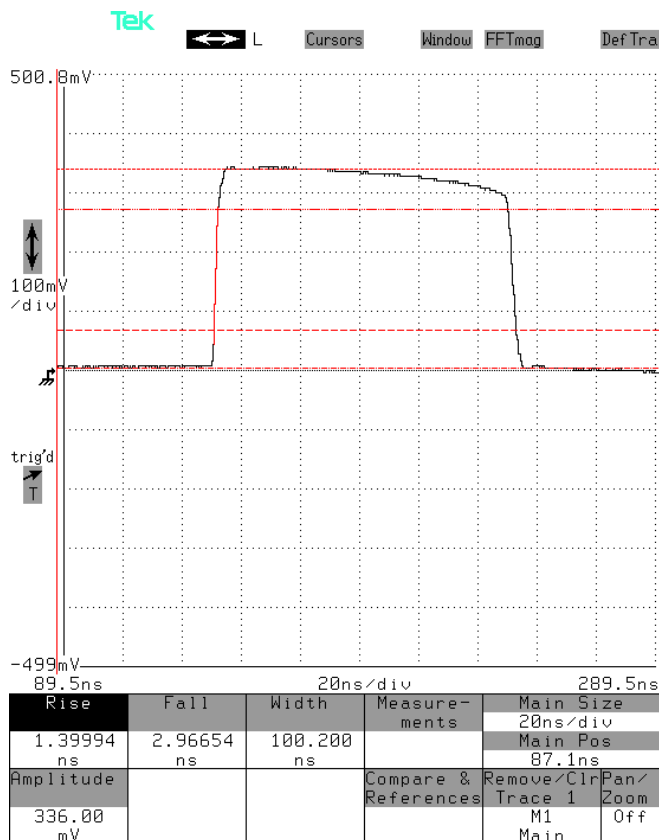
Impedance match: 50 Ω to 3 Ω  
Maximum input: 750V  
Maximum output: 188V / 63A  
Maximum pulse width: 200 ns  
Rise time (20%-80%): < 3 ns  
Droop: < 5 %

Basic specifications: →

Rise Time Test

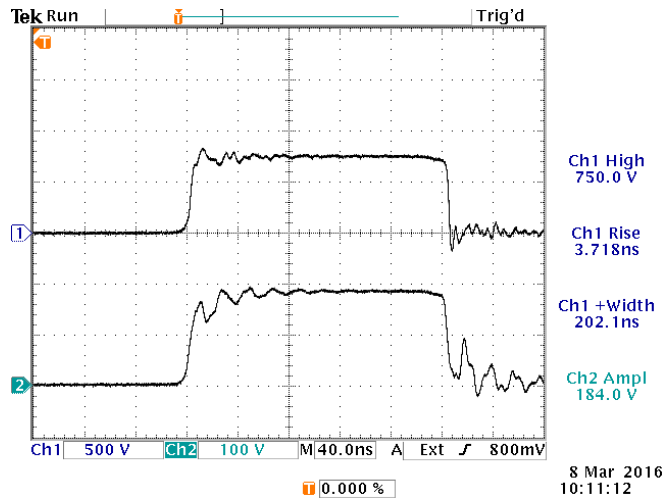
Input to AVX-M4-H, generated by AVL-2-B,  
20 ns/div. 100 V/div (100 mV/div × 60 dB):

Corresponding output of AVX-M4-H,  
20 ns/div. 20 V/div (50 mV/div × 60 dB):



Load impedance = 3.3 Ohms (Ohmite OX series) in parallel with 50 Ohm input impedance of the oscilloscope, for a total of 3.1 Ohms.

## Maximum Amplitude / Pulse Width Test



Top: +750V, 200 ns pulse from AVRF-7A-B, 500 V/div, 40 ns/div.

Bottom: Output of AVX-M4-H, 100 V/div, 40 ns/div.