

P.O. BOX 265  
OGDENSBURG, NY  
U.S.A. 13669-0265

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, ONTARIO  
CANADA K2C 3H5

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

PERFORMANCE CHECKSHEET

Model: AVX-M4-H  
Type: Current-Quadrupling Pulse Transformer  
S.N.: 13844  
Date: January 24, 2019

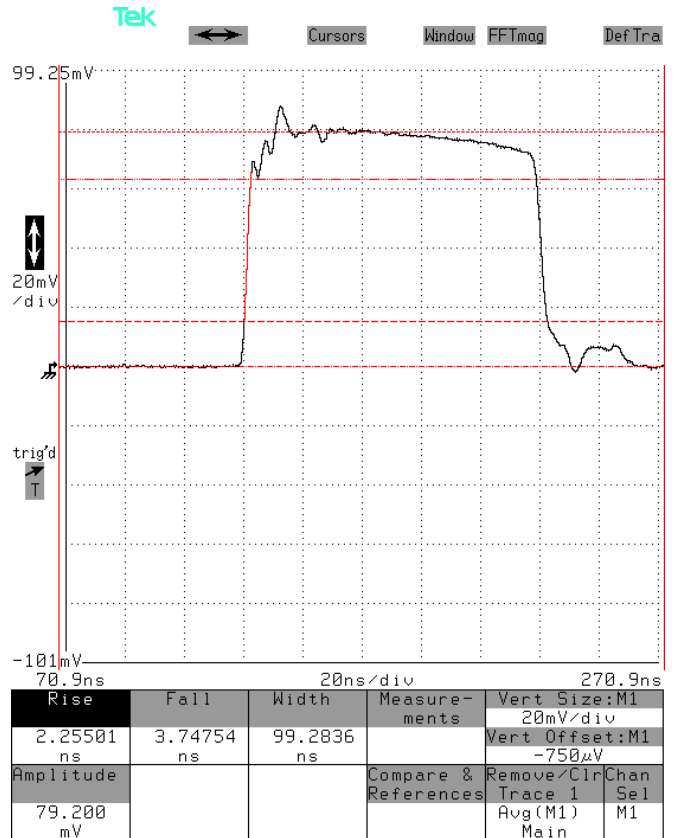
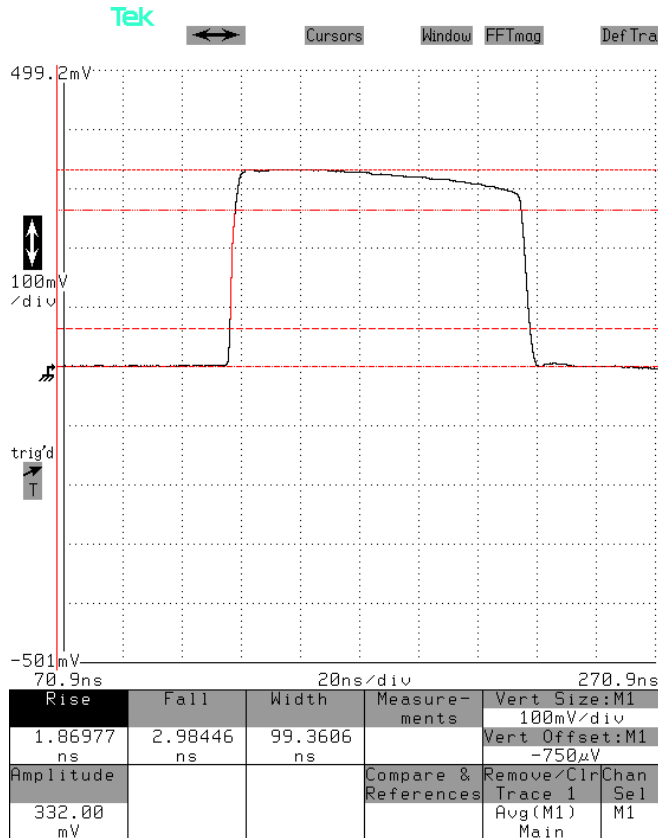
Impedance match: 50 Ω to 3 Ω  
Maximum input: 750V  
Maximum output: 188V / 63A  
Maximum pulse width: 200 ns  
Rise time (20%-80%): < 3 ns  
Droop: < 5 %

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):

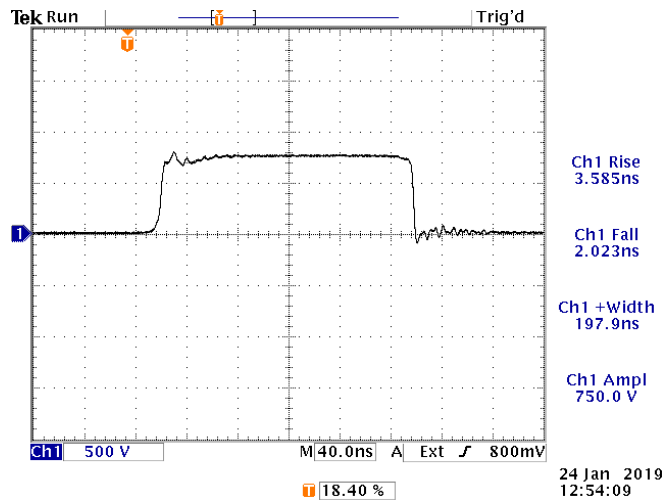


Load impedance = 3.3 Ohms (Ohmite OX series) in parallel with 50 Ohm input impedance of the oscilloscope, for a total of 3.1 Ohms.

## Maximum Amplitude / Pulse Width Test

Input to AVX-M4-H, generated by AVRF-7A-B,

40 ns/div. 500 V/div:



Corresponding output of AVX-M4-H,

40 ns/div. 100 V/div:

