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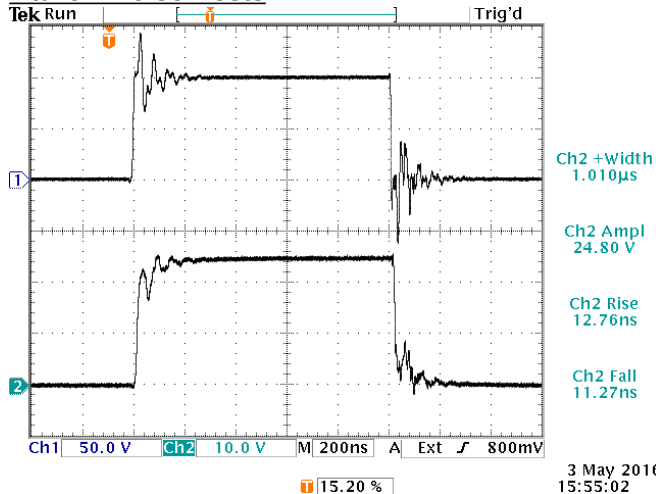
BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H5

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PERFORMANCE CHECKSHEET

Model: AVX-MRB6  
Type: Current-Quadrupling Pulse Transformer  
S.N.: 13461  
Date: May 3, 2016

Narrow Pulse Tests



a) Impedance match: 50 Ω to 3 Ω

b) Maximum input: 100V

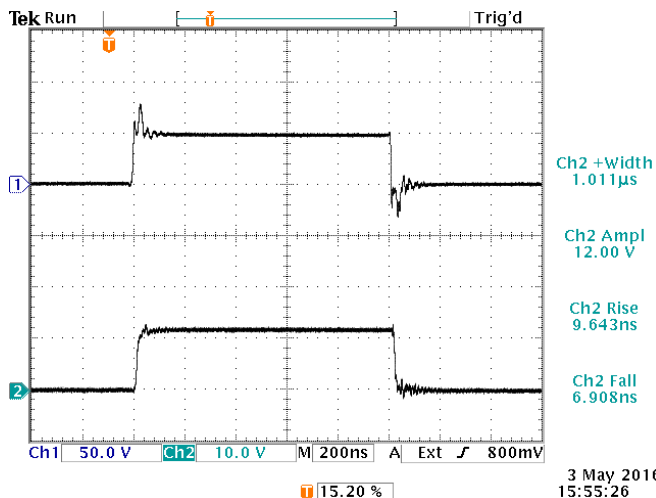
c) Maximum output: 25V / 8A

d) Maximum pulse width: 10 us

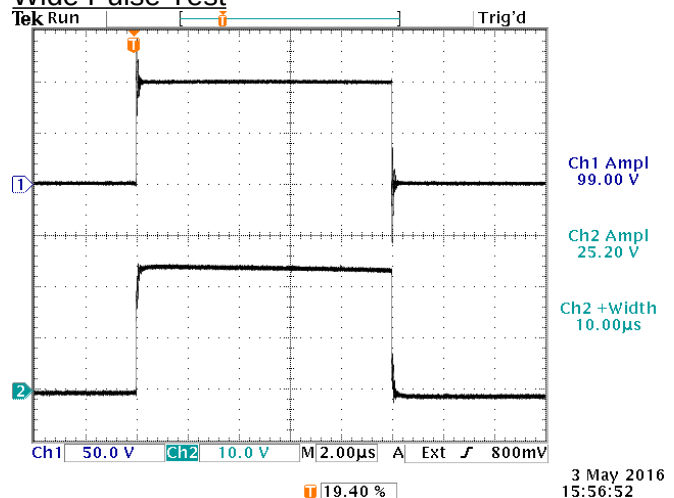
e) Rise time (20%-80%): < 30 ns

f) Droop: < 5 %

Top: +100V, 1 us pulse from AV-1010-B.  
Bottom: Output of AVX-MRB6 into 3Ω, 10 V/div.  
Connected with a 6 foot length of coaxial cable.



Wide Pulse Test



As above, but the AV-1010-B has been switched to a 50 Ohm output impedance mode. The amplitude is reduced by a factor of two, but the excess ringing caused by an imperfect transmission line match is reduced.

Top: +100V, 10 us pulse from AV-1010-B.  
Bottom: Output of AVX-MRB6 into 3Ω, 10 V/div.  
Both: 2 us/div.

References levels: 20%, 80%.