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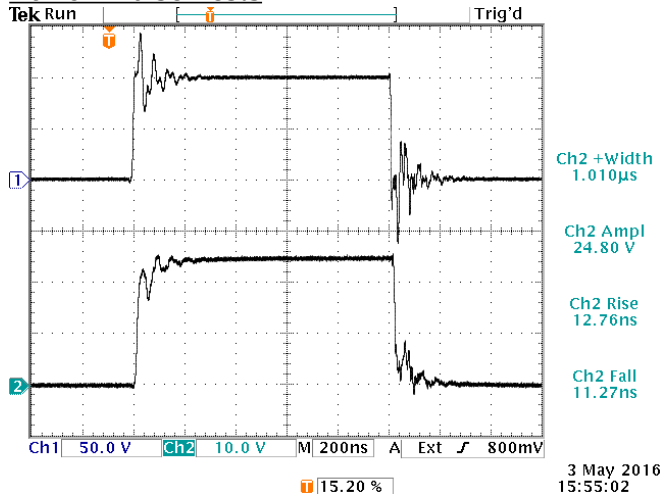
BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H5

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PERFORMANCE CHECKSHEET

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

Narrow Pulse Tests



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.

a) Impedance match: 50 Ω to 3 Ω

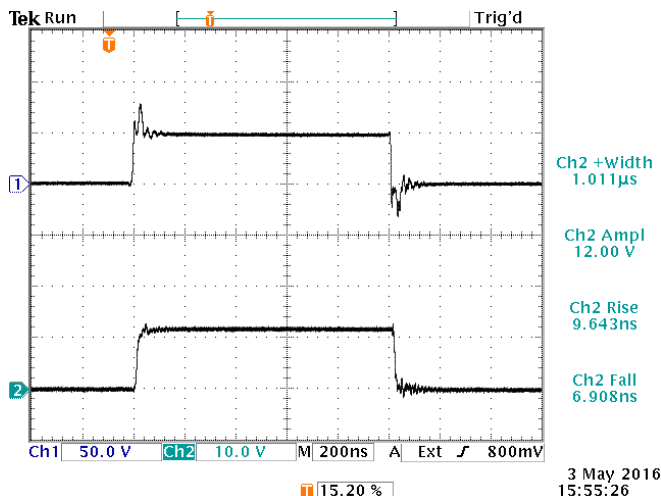
b) Maximum input: 100V

c) Maximum output: 25V / 8A

d) Maximum pulse width: 10 us

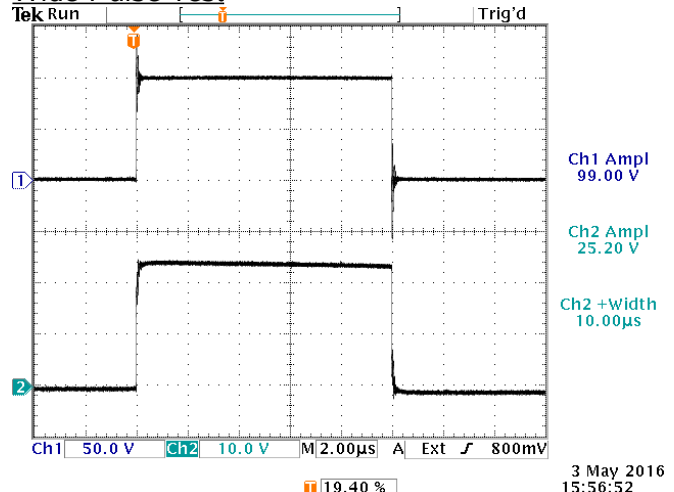
e) Rise time (20%-80%): < 30 ns

f) Droop: < 5 %



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.

Wide Pulse Test



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%.