



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-MRB4
Type: Current-Quadrupling Pulse Transformer
S.N.: 13629
Date: October 12, 2017

Impedance match: 50 Ω to 12.5 Ω
Maximum input: 400V
Maximum output: 200V / 16A
Maximum pulse width: 5 us
Rise time (20%-80%): < 5 ns
Drop: < 5 %

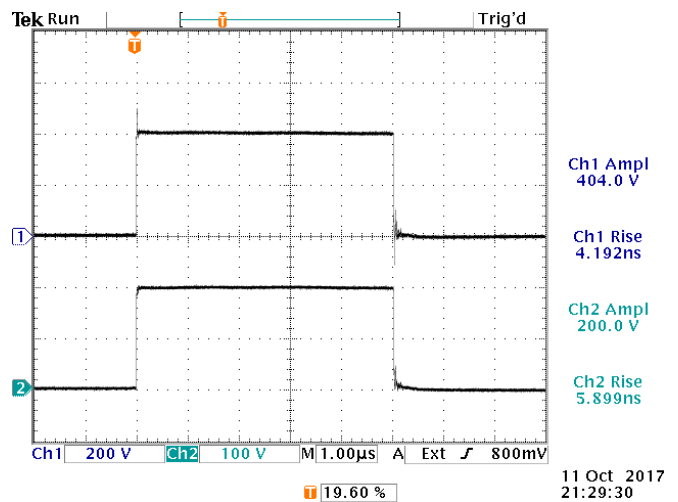
Basic specifications: →

Rise Time Test



Output of AVX-MRB4-B into 12.5 Ohms, in response to a 500 mV pulse with ~300 ps rise time (from model AV-1030-B). 100 mV/div, 20 ns/div.

Wide High-Voltage Pulse Test



Top: +400V, 5 us pulse from model AVRZ-5W-B. 200 V/div, 1 us/div.

Bottom: +200V output from AVX-MRB4 into a 12.5 Ohm load. 100 V/div, 1 us/div.

The output rise time should be less than: $\sqrt{(4.192^2 + 5^2)} = 6.525$ ns. The observed output rise time is 5.899 ns, meeting the specification.