



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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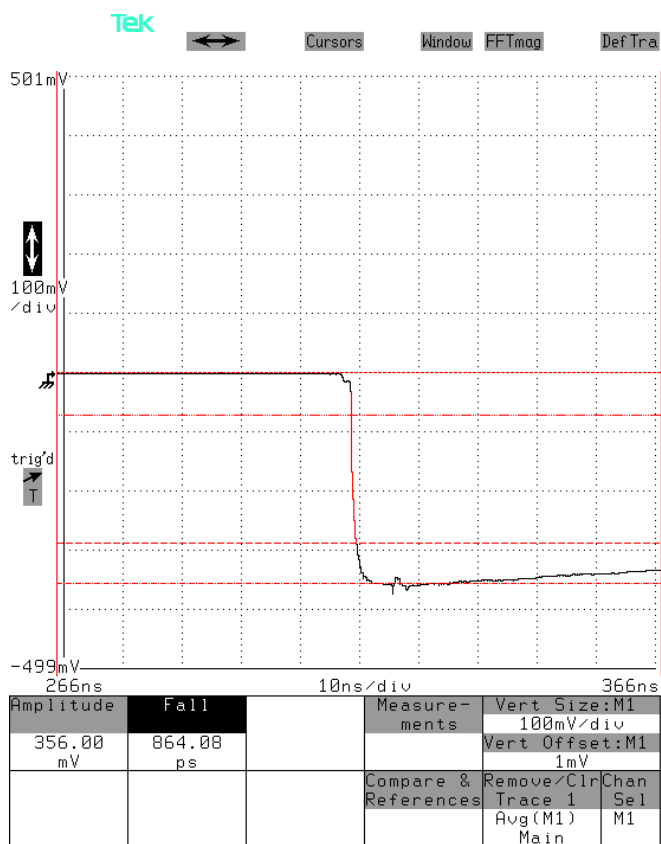
## PERFORMANCE CHECKSHEET

Model: AVX-MRB1  
Type: Current-Doubling Pulse Transformer  
S.N.: 13701  
Date: March 27, 2018

Impedance match: 50 Ω to 12.5 Ω  
Maximum input: 100V  
Maximum output: 50V / 4A  
Maximum pulse width: 5 us  
Rise time (20%-80%): < 1 ns  
Drop: < 5 %

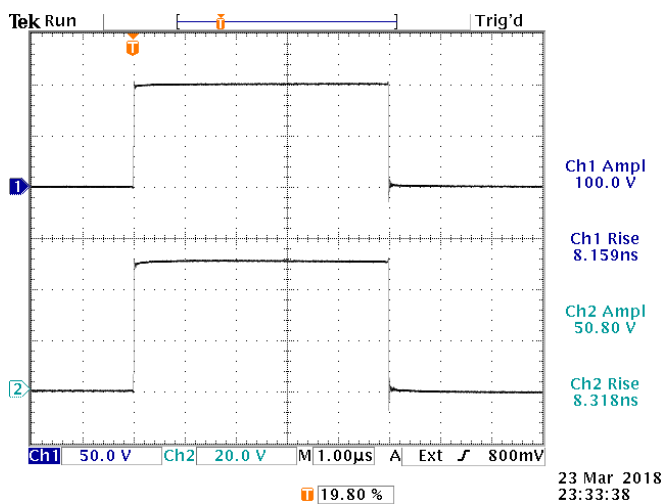
Basic specifications: →

### Rise Time Test



Output of AVX-MRB1 into 12.5 Ohms, in response to a -7.2V pulse with ~100 ps rise time. 1 V/div (100 mV/div × 20 dB), 10 ns/div.

### Wide High-Voltage Pulse Test



Top: +100V, 5 us pulse from model AV-1010-B. 50 V/div, 1 us/div.

Bottom: +50V output from AVX-MRB1 into a 12.5 Ohm load. 20 V/div, 1 us/div.