



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## PERFORMANCE CHECKSHEET

Model: AVX-M4  
S.N.: N/A, internal model  
Date: December 6, 2005

### Rise & Fall Time Test

a) Impedance match: 50  $\Omega$  to 3  $\Omega$

b) Maximum input: 350V

c) Maximum output: 87V / 28A

d) Maximum pulse width: 100 ns

e) Rise time (20%-80%): < 1 ns

f) Droop: < 5 %

Top: Input from Avtech AVL-2-B-P pulser  
Bottom: Output of AVX-M4  
Both: 100 V/div (60 dB attenuation), 2 ns/div

### Maximum Amplitude and Pulse Width Test

Top: Input from Avtech AVL-2-B-P pulser  
Bottom: Output of AVX-M4  
Both: 100 V/div (60 dB attenuation), 10 ns/div