



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AVX-M3
S.N.: N/A, internal model
Date: December 6, 2005

Rise & Fall Time Test

a) Impedance match: 50 Ω to 12.5 Ω

b) Maximum input: 350V

c) Maximum output: 175V / 14A

d) Maximum pulse width: 100 ns

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

f) Droop: < 5 %

Top: Input from Avtech AVMP-2-B-P pulser
Bottom: Output of AVX-M3
Both: 10 V/div (40 dB attenuation), 1 ns/div

Maximum Amplitude and Pulse Width Test

Top: Input from Avtech AVL-2-B-P pulser
Bottom: Output of AVX-M3
Both: 100 V/div (60 dB attenuation), 10 ns/div