



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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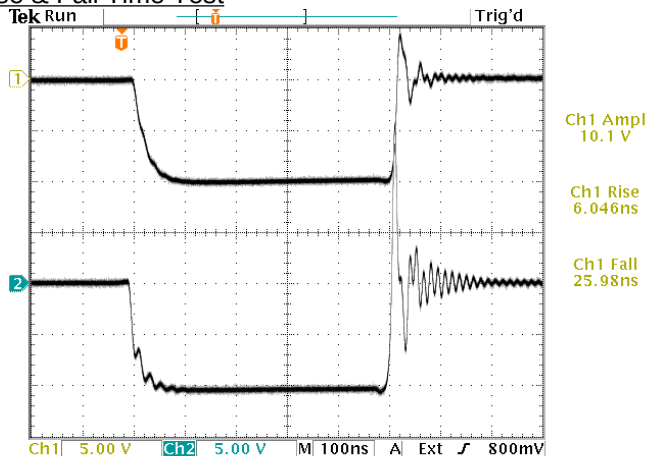
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## PERFORMANCE CHECKSHEET

Model: AVR-9D-B-N-MAXA  
S.N.: 10948  
Date: July 20, 2004

### Rise & Fall Time Test



a) Output Signal Amplitude: 0 to -20V  
(-10A max)

b) Pulse Width: 100 ns – 1 us,  
25% maximum duty cycle

c) Rise Time (20%-80%): < 30 ns

d) Fall Time (80%-20%): < 30 ns

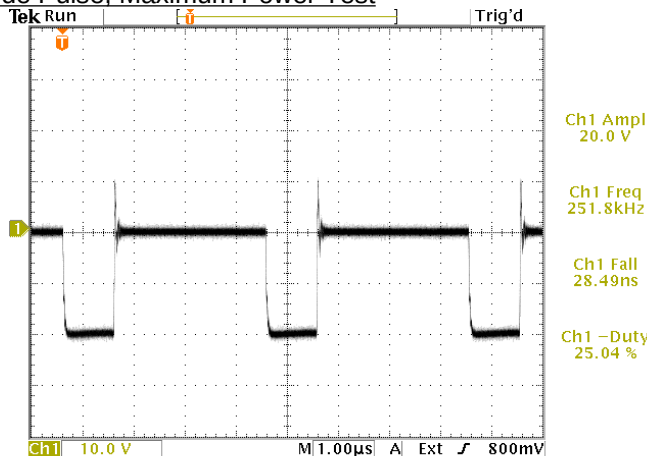
e) PRF: 1 Hz - 1 MHz

f) Jitter, Stability: OK

g) Prime Power: 100-240V AC, 50-60 Hz.

1 kHz, 500 ns, -10V into a 1Ω load (i.e., -10A).  
Top: Output of 711S current probe. 5 V/div, 100 ns/div.  
Bottom: Voltage across 1Ω load. 5 V/div, 100 ns/div.  
See manual for discussion.

### Wide Pulse, Maximum Power Test



250 kHz, 1 us, -20V into a 2.0Ω load (i.e., -10A).  
10 V/div, 1 us/div.

References levels: 20%, 80%.