



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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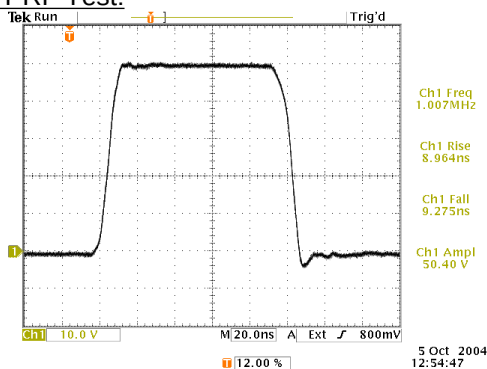
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## PERFORMANCE CHECKSHEET

Model: AV-1011-B  
S.N.: 11030  
Date: October 5, 2004

a) Output Signal Amplitude: 0 to  $\pm 100V$   
( $RL \geq 50\Omega$ )

### Maximum PRF Test:



Output waveform (10V/div, 20 ns/div) for:  
PRF=1 MHz, PW=100ns, AMPL=+100V, ZOUT=50 $\Omega$

b) Pulse Width: 100 ns - 1 ms  
(10% max. duty cycle at 100V)

c) Rise Time:  $\leq 10$  ns

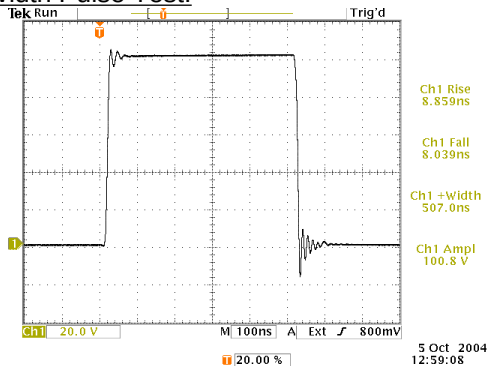
d) Fall Time:  $\leq 10$  ns

e) PRF: 0 - 1 MHz

f) Jitter, Stability: OK

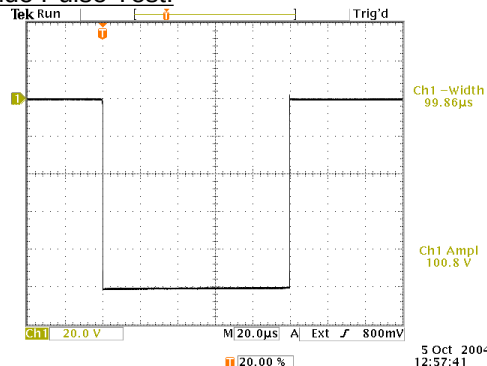
g) Prime Power: 100-240V AC, 50-60 Hz.

### Medium Width Pulse Test:



Output waveform (20V/div, 100 ns/div) for:  
PRF=100 kHz, PW=500ns, AMPL=+100V, ZOUT=2 $\Omega$

### Wide Pulse Test:



Output waveform (20V/div, 20 us/div) for:  
PRF=100 Hz, PW=100 us, AMPL=-100V,  
ZOUT=2 $\Omega$

Reference levels: 10%, 90%