



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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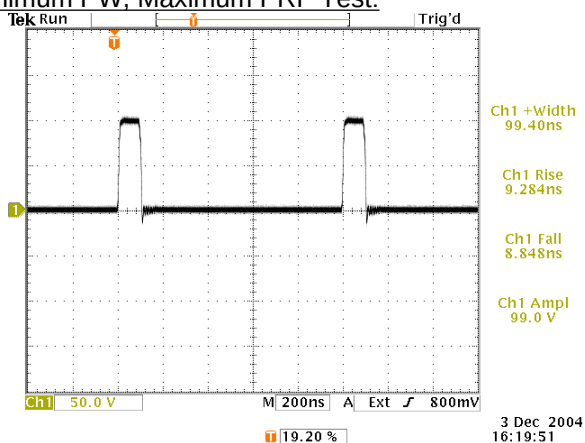
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## PERFORMANCE CHECKSHEET

Model: AV-1011-B  
S.N.: 11108  
Date: December 3, 2004

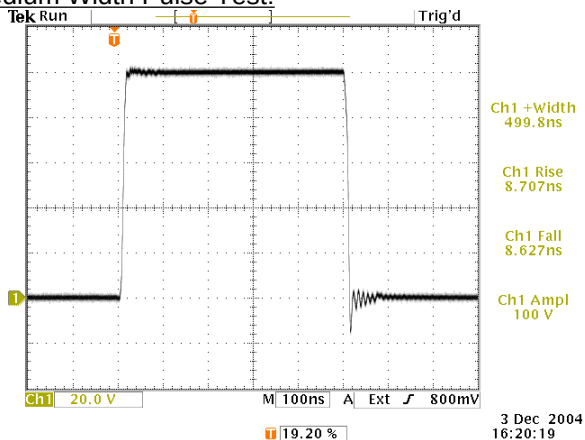
### Minimum PW, Maximum PRF Test:



Output waveform (20V/div, 50 ns/div) for:  
PRF=1 MHz, PW=20ns, AMPL=+100V, ZOUT=2Ω

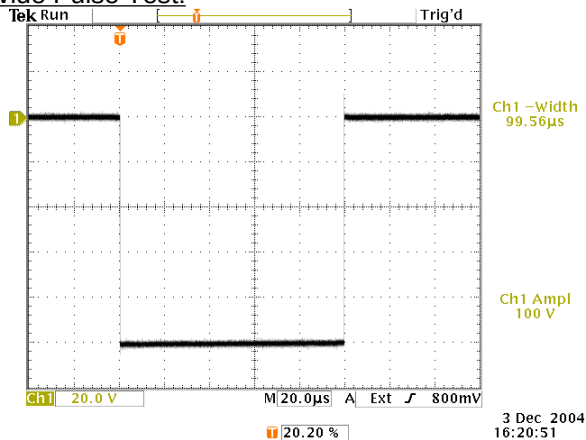
- a) Output Signal Amplitude: 0 to  $\pm 100V$   
( $RL \geq 50\Omega$ )
- b) Pulse Width: 100 ns - 1 ms  
(10% max. duty cycle at 100V)
- c) Rise Time:  $\leq 10$  ns
- d) Fall Time:  $\leq 10$  ns
- e) PRF: 0 - 1 MHz
- f) Jitter, Stability: OK
- g) Prime Power: 100-240V AC, 50-60 Hz.

### Medium Width Pulse Test:



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

### Wide Pulse Test:



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

Reference levels: 10%, 90%