



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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BOX 5120, LCD MERIVALE  
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CANADA K2C 3H5

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## PERFORMANCE CHECKSHEET

Model: AV-144A2-PS-AC22  
Type: TTL pulse amplifier  
S.N.: 13064  
Date: September 13, 2013

Output Amplitude: +10V, to 50  $\Omega$   
Input Amplitude: TTL, 1 k $\Omega$   
Rise Time (20%-80%):  $\leq 10$  ns  
Fall Time (80%-20%):  $\leq 10$  ns  
PRF: 10 MHz maximum  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications:  $\rightarrow$

### Test Waveforms

Top:  $< 10$  ns TTL input pulse, 2V/div.  
Bottom: +10V output pulse into 50  $\Omega$ , 5V/div.

100 ns, +10V output pulse into a high-bandwidth oscilloscope ( $> 10$  GHz).

Both: 40 ns/div.

20 ns/div. 5 V/div (50 mV/div  $\times$  40 dB):

