



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

P.O. BOX 265  
OGDENSBURG, NY  
U.S.A. 13669-0265

TEL: 888-670-8729 (USA & Canada) or +1-613-686-6675 (Intl)  
FAX: 800-561-1970 (USA & Canada) or +1-613-686-6679 (Intl)

BOX 5120, LCD MERIVALE  
OTTAWA, ONTARIO  
CANADA K2C 3H5

info@avtechpulse.com - http://www.avtechpulse.com/

## PERFORMANCE CHECKSHEET

Model: AV-144C3-PS-AC03  
Type: TTL pulse amplifier  
S.N.: 13433  
Date: May 10, 2016

Output Amplitude: +30V, to 50 Ω  
Input Amplitude: TTL, 1 kΩ  
Rise Time (20%-80%): ≤ 10 ns  
Fall Time (80%-20%): ≤ 10 ns  
PRF: 1 MHz maximum  
Jitter, Stability: OK  
Prime Power: 100-240V AC, 50-60 Hz.

Basic specifications: →

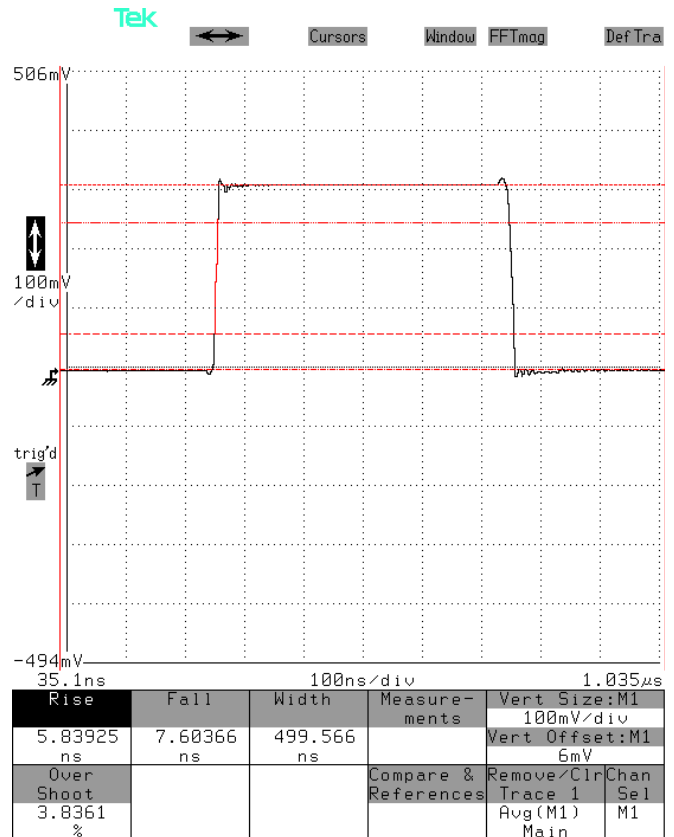
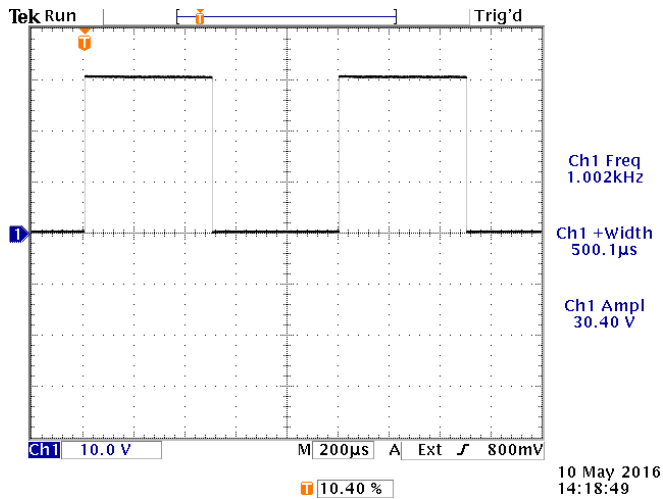
### Test Waveforms

1 kHz, 50% duty cycle, +30V.

500 ns, +30V output pulse into a high-bandwidth oscilloscope (> 10 GHz).

200 us/div. 10V/div.

100 ns/div. 10 V/div (100 mV/div × 40 dB):



Top: 1 MHz TTL input pulses, 2V/div.  
Bottom: +30V output pulses into 50 Ω, 10V/div.

Both: 200 ns/div.

