



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

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PERFORMANCE CHECKSHEET

Model: AV-144C3-PS-AC03
Type: TTL pulse amplifier
S.N.: 13434
Date: May 10, 2016

Output Amplitude: +30V, to 50 Ω
Input Amplitude: TTL, 1 k Ω
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: \rightarrow

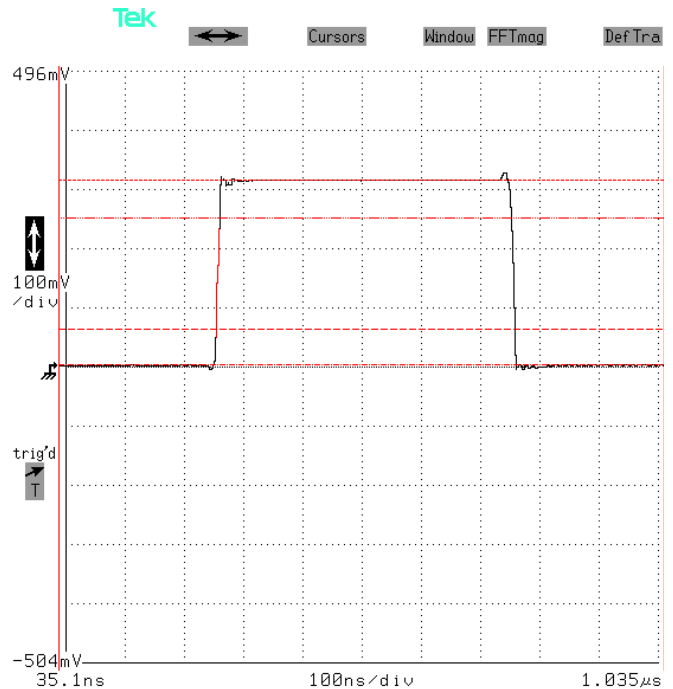
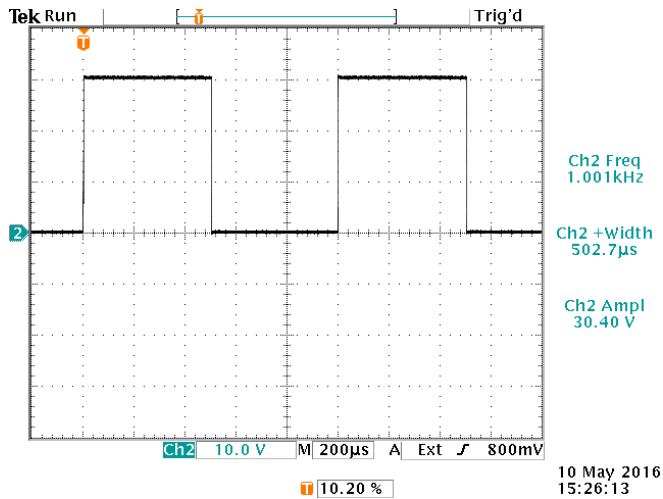
Test Waveforms

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 \times 40 dB):



Rise	Fall	Width	Measurements	Vert Size:M1
6.15572 ns	5.98226 ns	499.282 ns		100mV/div
				Vert Offset:M1 -4mV
Over Shoot 4.3119 %			Compare & References	Remove/Clr Trace 1 Sel
				Avg(M1) M1

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

Both: 200 ns/div.

