



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.: 13319
Date: July 30, 2015

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: →

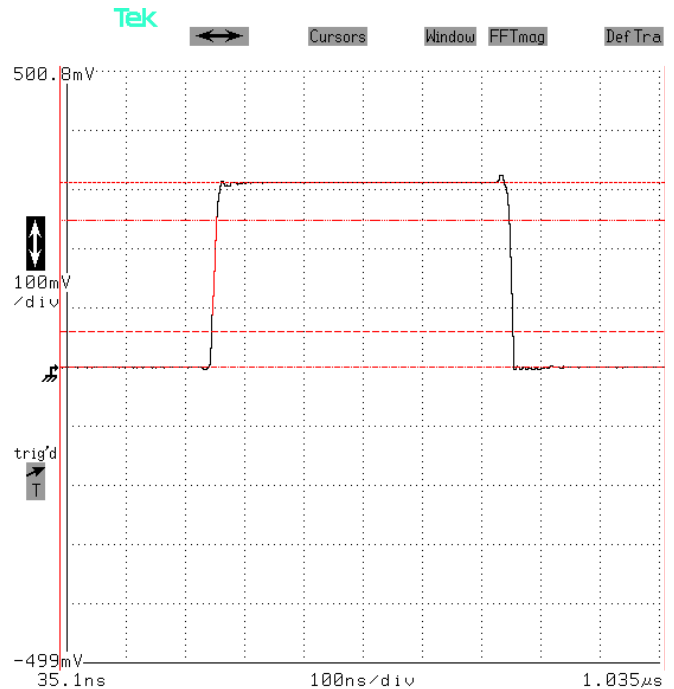
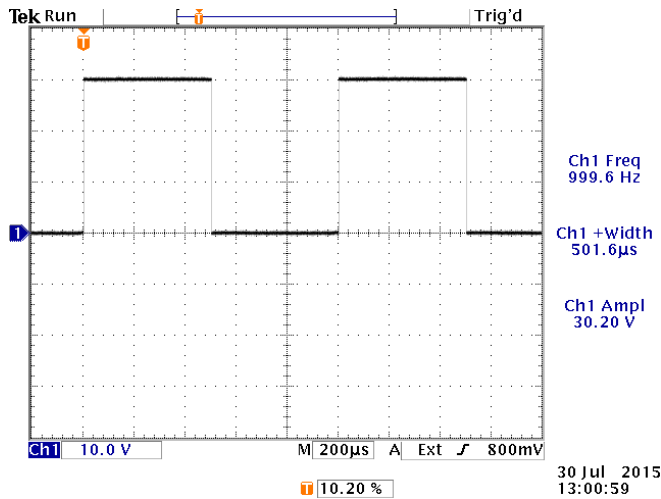
Test Waveforms

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):



Rise	Fall	Width	Measurements	Vert Size:M1
8.64643 ns	6.11939 ns	501.291 ns		100mV/div
				Vert Offset:M1
				750μV
Over Shoot			Compare & References	Remove/Clr Chan
4.0765 %				Trace 1 Sel
				Avg(M1) M1
				Main

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

Both: 200 ns/div.

