

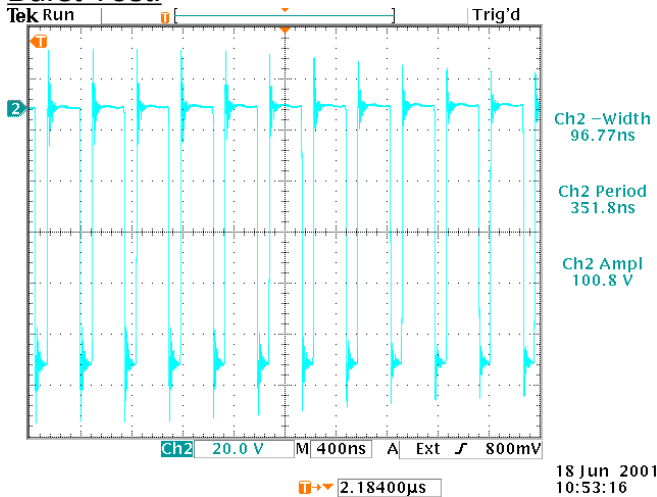
PULSE GENERATOR
PERFORMANCE CHECK

Model: AVR-E3-N-PS-LA2

S.N.: 9811

Date: June 18, 2001

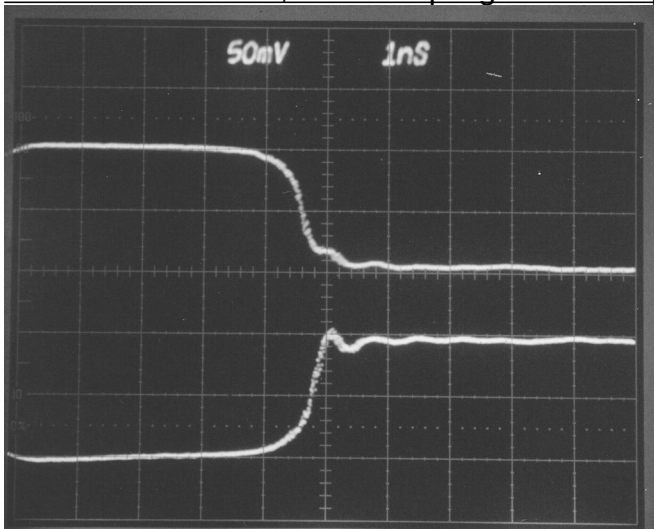
Burst Test:



Output waveform (20V/div, 400ns/div) for:
Burst Rate=1 kHz, PW=100ns, AMPL=-100V, 12 pulses
in burst, with 350 ns spacing. The overshoot and ringing
are artifacts of the bandwidth-limited (500 MHz) real-
time oscilloscope.

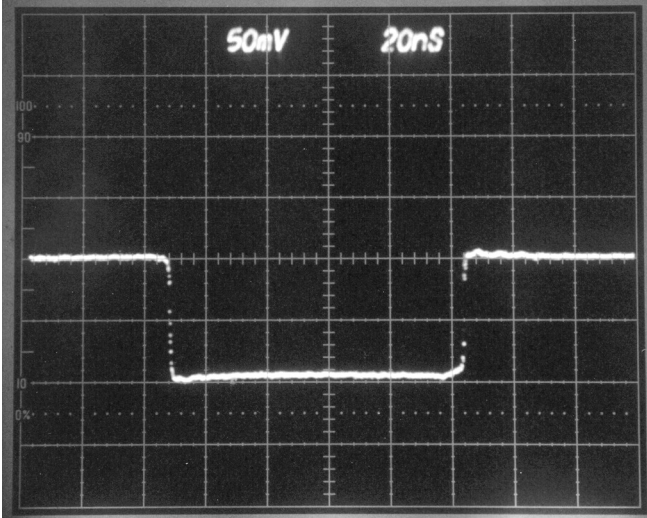
- a) Output Signal Amplitude: 0 to -100V
($R_L = 50\Omega$)
- b) Pulse Width: 20 ns – 100 ns
- c) Rise Time: ≤ 0.5 ns
- d) Fall Time: ≤ 1 ns
- e) Burst Repetition Rate: 0 – 1 kHz
- f) Permitted Burst Timing: 0 – 12 pulses per
burst, with a minimum spacing between pulses
of 350 ns.
- g) Jitter, Stability: OK
- h) Prime Power: 120/240V AC, 50-60 Hz,

Rise/Fall Time Test, with Sampling Oscilloscope:



Top Waveform: leading edge, 50V/div, 1ns/div
Bottom Waveform: trailing edge, 50V/div, 1ns/div

Wide Pulse Width Test, with Sampling Oscilloscope:



50V/div, 20ns/div. First pulse in 12 pulse burst, with 350 ns spacing , 1 kHz burst rate, -100V amplitude.

Narrow Pulse Width Test, with Sampling Oscilloscope:



50V/div, 5ns/div. First pulse in 12 pulse burst, with 350 ns spacing , 1 kHz burst rate, -100V amplitude.