

PULSE GENERATOR

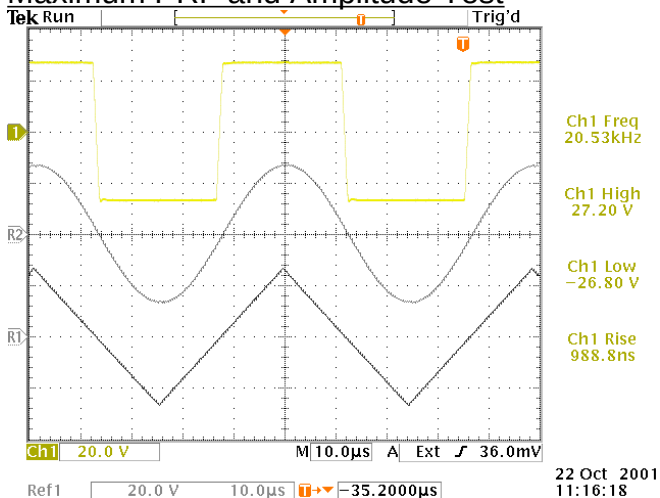
PERFORMANCE CHECK

Model: AV-151E-C

S.N.: 10049

Date: October 22, 2001

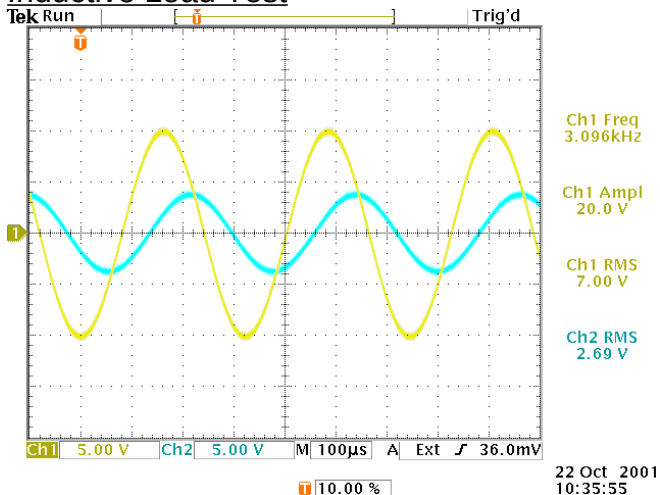
Maximum PRF and Amplitude Test



Square, Sine, and Triangle outputs into a 20 Ω load.
20 kHz. 20 V/div, 10 us/div.

- a) Output Signal Amplitude: ±25V, to ≥20 Ω
- b) Waveforms: sine, triangle, square
- c) Rise Time: < 10 us (for square wave)
- d) Fall Time: < 10 us (for square wave)
- e) PRF: DC to 20 kHz
- f) Jitter, Stability: OK

Inductive Load Test



Top: 3.1 kHz, 7V RMS output sine wave into a series combination of a 10 mH inductor (P/N 1535G, 25 Ohm parasitic resistance) and a 82 Ohm resistor.

Bottom: voltage across the resistor portion of the inductor/resistor load.

Both: 5V/div, 100 us/div

- g) Prime Power: 120/240V AC, 50-60 Hz