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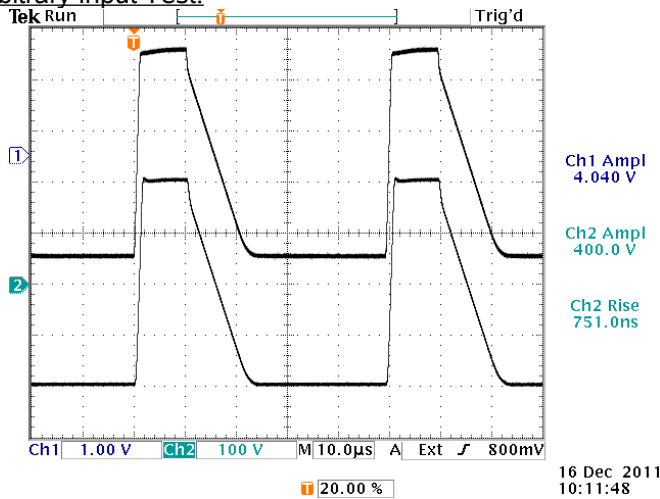
BOX 5120, LCD MERIVALE
OTTAWA, ONTARIO
CANADA K2C 3H4

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PERFORMANCE CHECKSHEET

Model: AV-112AH-PS-UHA
Type: High-Voltage Variable-Gain Linear Amplifier
S.N.: 12747
Date: December 16, 2011

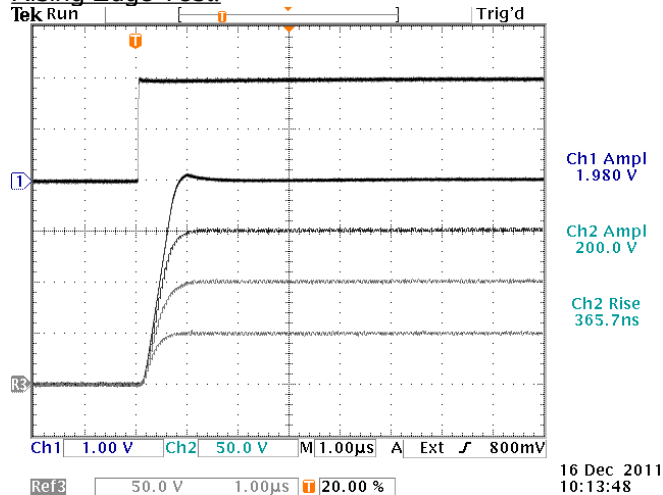
Arbitrary Input Test:



Top: Input, ±2V amplitude. 1 V/div, 10 us/div
Bottom: Output, ±200V, into 1.2 kΩ. 100V/div, 10 us/div.

- a) Output Signal Amplitude: 0 to ±200V to $R \geq 1.2 \text{ k}\Omega$
- b) Gain: x1 to x100
- c) Rise Time: $\leq 1 \text{ us}$ (to $R \geq 1.2 \text{ k}\Omega$)
- d) Fall Time: $\leq 1 \text{ us}$ (to $R \geq 1.2 \text{ k}\Omega$)
- e) PRF: DC - 300 kHz
- f) Jitter, Stability: OK
- g) Prime Power: 100-240V, 50-60 Hz.

Rising Edge Test:



Top: Flat-topped input, +2V amplitude. 1 V/div, 1 us/div
Bottom: Output at different gains (+50V, +100V, +150V and +200V amplitudes), into 1.2 kΩ. 50V/div, 1 us/div.

References levels: 20%, 80%.