

EPP2101 is a single channel, low power, high voltage, rail-to-rail, Vcom and Half Avdd buffer. The device operates on supplies from 4.5V to 20V, and consumes 5mA. The EPP2101 also provides common mode input ability beyond the supply rails, and rail-to-rail output capability to provide maximum dynamic range for the specified operating voltage range.

EPP2101 features high output drive capability of 1.3A peak AC current, 50V/ μ s slew rate, and 35MHz bandwidth to quickly settle outputs for 120Hz frame rate and full HD resolution as well as output thermal shutdown protection.

EPP2101 is available in 8-pin DFN packaging with exposed pad for excellent heat dissipation. This packaging features a standard operational amplifier pin out. EPP2101 operates temperature range from -40°C to $+85^{\circ}\text{C}$.

Features

- Beyond the Rails Input Capability
- 1.3A Peak Output AC Current at 20V
- Rail-to-Rail Output Swing
- Supply Voltage of 4.5V to 20V
- Low Supply Current: 5mA (typical)
- High Slew Rate of 50V/ μ s
- Unity-gain Stable for Heavy Load
- Ultra-Small Packaging DFN3X3-8L
- Over Temperature Protection (OTP)
- Exposed Heat Sink Pad

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