

High Driving Capability OP Amplifier

FEATURES

- 4.5V to 20V input supply
- 40MHz – 3dB Bandwidth
- Rail-to-rail output swing
- High slew rate 70V/us
- 350mA output current limit
- Unity-gain Stable
- Beyond the Rails Input Capability
- Thermal protection
- Ultra-small TSSOP-8/MSOP-8/WDFN-8 package

APPLICATIONS

- TFT LCD VCOM/GAMMA Buffer
- ADC/DAC buffer
- Car Navigation Display
- Portable equipment

DESCRIPTION

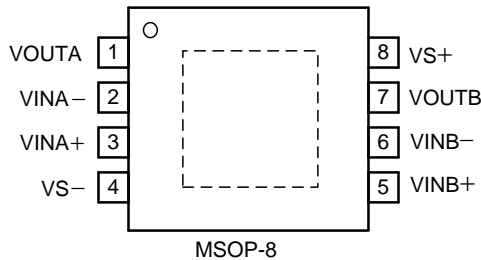
The ANX7001 is a low power, high voltage rail-to-rail 2-channel amplifier, which is provided as TFT LCD Vcom/Gamma Buffer. Each amplifier exhibits beyond the rail input capability, rail-to-rail output capability and is unity gain stable. The two amplifiers are ideal for use as voltage reference buffers in TFT-LCD panel applications for TV, Monitors, Notebooks, and portable equipment devices.

The ANX7001 features a high slew rate and fast settling times, and an extremely high output drive capability of 350mA peak output transient current (sink and source).

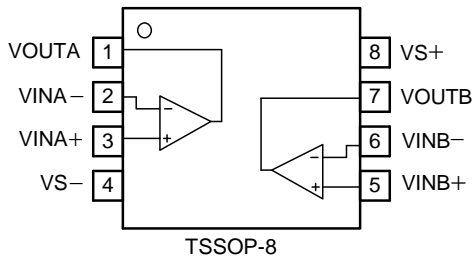
The ANX7001 operates on power supplies from 4.5V to 20V and consumes less than 1.5mA per amplifier. The ANX7001AAT is available in a space saving 8-pin TSSOP package, the ANX7001AAMH is in 8-pin MSOP package with exposed pad and ANX7001AAD is also with exposed pad in 8-pin WDFN package. All the two devices feature a standard operational amplifier pin out, and operate over a temperature range of -40 degree C to +85 degree C.

Pin Configuration (Top View)

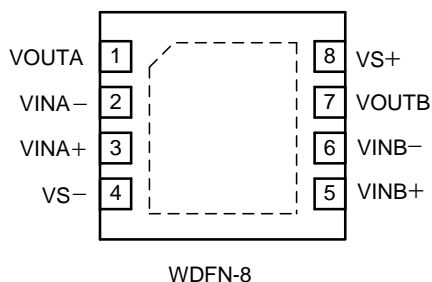
ANX7001AAMH



ANX7001AAT



ANX7001AAD



Ordering Information

Part Number	Package
ANX7001AAMH	MSOP-8L (Exposed pad)
ANX7001AAT	TSSOP-8L
ANX7001AAD	WDFN-8L, 3x3