

FEATURES

- Ultra-Low Dropout Voltage
- Compatible with low ESR MLCC as Input / Output Capacitor
- Good Line and Load Regulation
- Guaranteed Output Current of 1.0A
- Adjustable Output Voltage up to 4.5V
- Output Auto Discharge Function
- Over-Temperature/ Over-Current Protection
- Available in DFN-3030-8 Package

APPLICATIONS

- LCD TVs and SETTOP Boxes
- Battery Powered Equipment
- Motherboards and Graphic Cards
- Microprocessor Power Supplies
- Peripheral Cards
- High Efficiency Linear Regulators
- Battery Chargers

DESCRIPTION

The TPS7A8001 of high performance ultra-low dropout linear regulator operates from 2.5V to 5.5V input supply and provides ultra-low dropout voltage, high output current with low ground current. Wide range of preset output voltage options are available. These ultra-low dropout linear regulators respond fast to step changes in load which makes them suitable for low voltage micro-processor applications. The TPS7A8001 is developed on a CMOS process technology which allows low quiescent current operation independent of output load current. This CMOS process also allows the TPS7A8001 to operate under extremely low dropout conditions.



ORDERING INFORMATION

Device	Package
TPS7A8001Q	DFN-3030-8

Please contact us for more information about this product.