FEATURES

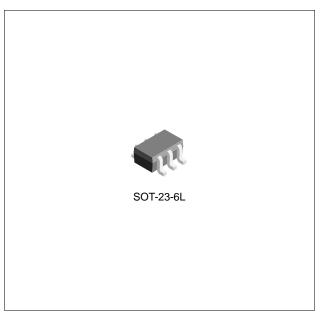
- Ultra-Low Dropout Voltage
- Compatible with low ESR MLCC as Input / Output Capacitor
- · Good Line and Load Regulation
- · Guaranteed Output Current of 300mA
- Adjustable Output Voltage up to 5.0V
- Output Auto Discharge Function
- Over-Temperature/Over-Current Protection
- Available in SOT-23-6L Package

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 TPS73001 of high performance ultra-low dropout linear regulator operates from 2.5V to 6.0V 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 microprocessor applications. The TPS73001 is developed on a CMOS process technology which allows low quiescent current operation independent of output load current. This CMOS process also allows the TPS73001 to operate under extremely low dropout conditions.



ORDERING INFORMATION

Device	Package
TPS73001SF6	SOT-23-6L

