

3uA low Quiescent Current LDO Regulator

General Description

The TP2085 is designed for portable applications with demanding performance and space requirements. The TP2085 performance is optimized for battery-powered systems to deliver ultra low noise and low quiescent current. Regulator ground current increases only slightly in dropout, further prolonging the battery life. The TP2085 also works with low-ESR ceramic capacitors, reducing the amount of board space necessary for power applications, critical in hand-held wireless devices. The other features include ultra low dropout voltage, high output accuracy, current limiting protection, and high ripple rejection ratio. Available in the 3-lead of SOT-89 packages

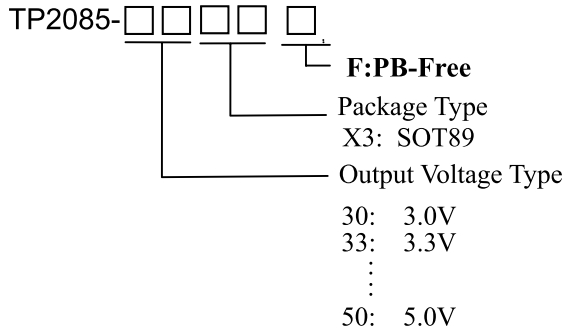
Features

- 3uA Low Quiescent Current
- 2.5V- 16V Input Voltage Range
- Low Dropout : 800mV @ 100mA
- Ultra-Fast Response in Line/Load Transient
- Current Limiting and Thermal Shutdown Protection

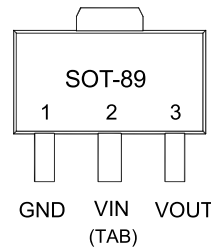
Applications

- PMP/PDA/MP3 players
- Cellular and Mobile phone
- RF Module
- Sensor Module

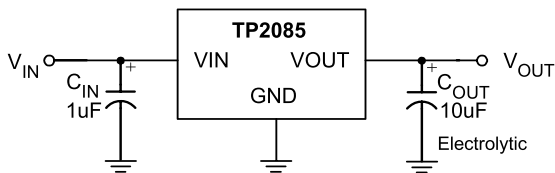
Ordering Information



Pin Configurations



Typical Application Circuit



Functional Pin Description

Pin Name	Pin Function
GND	Ground
VIN	Power Input Voltage
VOUT	Output Voltage