

300mA LOW DROPOUT LINEAR REGULATOR

FEATURES

- Application for Extreme Low Output Voltage
- Guaranteed 300mA Output Current
- Very Low Quiescent Current at about 40uA
- $\pm 2\%$ Output Voltage Accuracy
- Needs Only 1 μ F Capacitor for Stability
- Thermal Shutdown / Current Limited Protection
- Adjusted Mode with 0.8V Reference Voltage
- Low-ESR Ceramic Capacitor for Output Stability
- Tiny SOT-23-SL, SOT-23-SLR & SC-70-SL Package Type
- RoHS Compliant
- High PSRR

DESCRIPTION

The JTMA8867 series are low dropout, positive linear regulators with very low quiescent current. The JTMA8867 can supply 300mA output current with a low dropout voltage & very low output voltage.

The JTMA8867 regulator is able to operate with output capacitors as small as 1 μ F to 10 μ F for stability. Other than the current limit protection JTMA8867 also offers on chip thermal shutdown feature providing protection against overload or any condition when the ambient temperature exceeds the junction temperature.

The JTMA8867 series are available in low-profile, space-saving SOT-23-SL, SOT-23-SLR & SC-70-SL packages.

APPLICATIONS

- DVD/CD-ROMs, CD/RWs
- Wireless Devices
- LCD Modules
- Battery Power Systems
- Card Readers
- XDSL Routers

TYPICAL APPLICATION

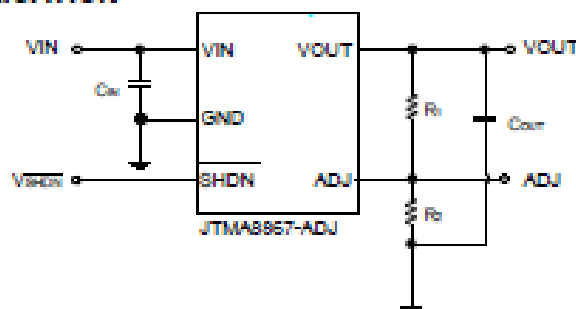


Figure1: Application of the JTMA8867-ADJ

Note : R1,R2 for adjusted mode only

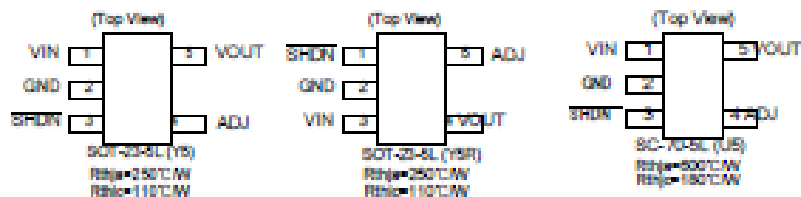
Note : To prevent oscillation, it is recommended to use minimum 1 μ F X7R or X5R dielectric capacitors if ceramics are used as input / output capacitors.

ORDERING / PACKAGE INFORMATION

JTMA8867X

Package Type

YS : SOT-23-SL
YSLR : SOT-23-SLR
US : SC-70-SL



Data and specifications subject to change without notice

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有需要详细的文件请发邮件: oumao18@itm-ic.com 联系或电话: 0755-262580208