

FEATURES

- Low Dropout Voltage of 250mV at 300mA
- Guaranteed 300mA Output Current
- Very Low Quiescent Current at about 30uA
- ±2% Output Voltage Accuracy for 1.2V~3.3V
- Needs Only 1uF Capacitor for Stability
- Thermal Shutdown Protection
- Current Limit Protection
- Output Voltage Fast Discharge
- Low-ESR Ceramic Capacitor for Output Stability.
- Tiny SC-70-4L, SC-70-5L, SOT-23, SOT-23-5L & TSOT-23-5L Packages
- RoHS Compliant & Halogen Free
- High PSRR

DESCRIPTION

The JTMA8865 series are low dropout, positive linear regulators with very low quiescent current. The JTMA8865 can supply 300mA output current with a low dropout voltage at about 250mV.

The JTMA8865 regulator is able to operate with output capacitors as small as 1 μ F for stability. Other than the current limit protection JTMA8865 also offers on chip thermal shutdown feature providing protection against overload or any condition when the ambient temperature exceeds the junction temperature.

The JTMA8865 series are offering several fixed output voltage types including 1.2V ~ 3.3V.

The JTMA8865 series are available in low-profile, space-saving SC-70-4L, SC-70-5L, SOT-23, TSOT-23-5L & SOT-23-5L packages.

APPLICATIONS

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

TYPICAL APPLICATION

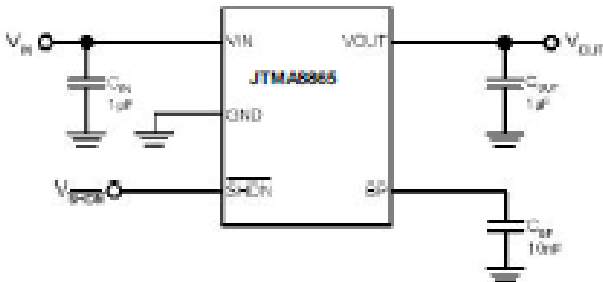


Figure 1. Typical Application Circuit of JTMA8865

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

ORDERING INFORMATION

JTMA8865 X - XX	
Package Type	Output Voltage
N : SOT-23	12 : 1.2V
NR : SOT-23	16 : 1.6V
NL : SOT-23	24 : 2.4V
TS : SOT-23-5L	28 : 2.8V
TT3 : TSOT-23-5L	15 : 1.5V
24 : SC-70-4L	30 : 3.0V
35 : SC-70-5L	35 : 3.5V
	36 : 3.6V
	38 : 3.8V
	41 : 4.1V
	17 : 1.7V
	22 : 2.2V
	27 : 2.7V
	32 : 3.2V
	18 : 1.8V
	33 : 3.3V
	38 : 3.8V
	39 : 3.9V

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