

FEATURES

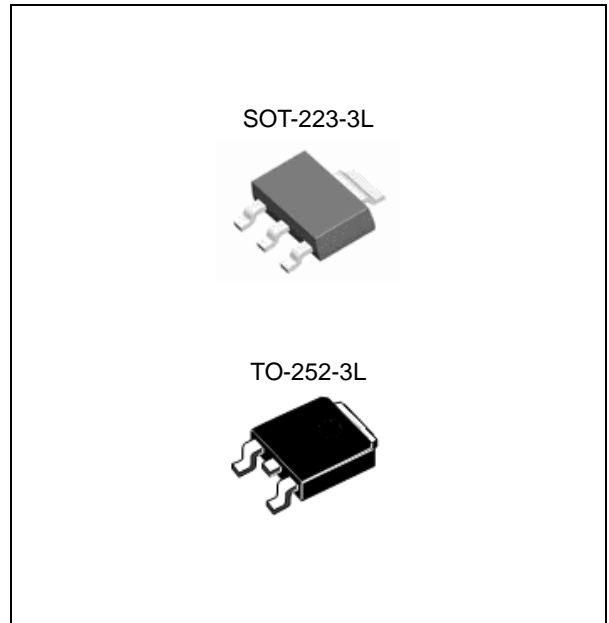
- Ultra Low Dropout Voltage
- Low Ground Pin Current
- Excellent Line and Load Regulation
- Available in SOT-223-3L, TO-252-3L Packages
- Fixed Output Voltages: 1.0V, 1.2V, 1.5V, 1.8V, 2.5V, 2.8V and 3.3V
- Over-Temperature/Over-Current Protection
- -40 °C to 125 °C Junction Temperature Range

APPLICATION

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

DESCRIPTION

The TJ1119 series of high performance ultra low-dropout linear regulators 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 TJ1119 is developed on a CMOS process technology which allows low quiescent current operation independent of output load current. This CMOS process also allows the TJ1119 to operate under extremely low dropout conditions.



ORDERING INFORMATION

Device	Package
TJ1119CGS-X.X	SOT-223-3L
TJ1119FGS-X.X	
TJ1119CGRS-X.X	TO-252-3L
TJ1119FGRS-X.X	

X.X = Output Voltage = 1.0, 1.2, 1.5, 1.8, 2.5, 2.8 and 3.3

ABSOLUTE MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	MIN.	MAX.	UNIT
Input Supply Voltage (Survival)	V_{IN}	-	6.5	V
Maximum Output Current	I_{MAX}	-	1.0 ¹⁾	A
Lead Temperature (Soldering, 5 sec)	T_{SOL}		260	°C
Storage Temperature Range	T_{STG}	-65	150	°C
Operating Junction Temperature Range	T_{JOPR}	-40	125	°C

1) Maximum output current is limited by the restriction of power dissipation.