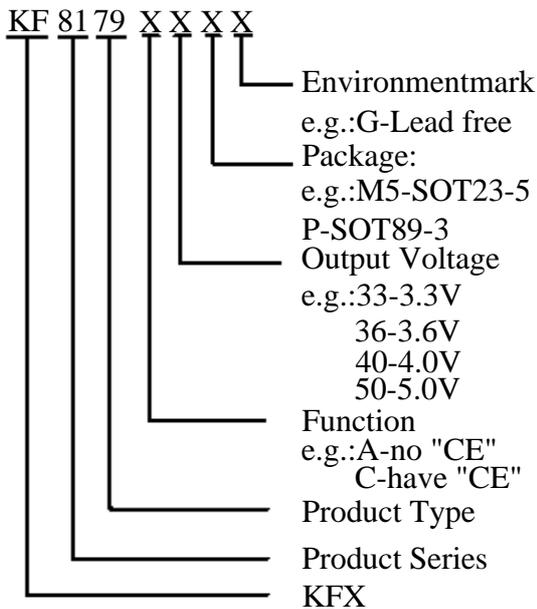


400mA Adjustable Voltage High Speed LDO Regulators

General Description

The KF8179 series are highly accurate, low noise, LDO Voltage Regulators. On chip trimming adjusts the reference/output voltage to within $\pm 2\%$ accuracy. Internal protection features consist of output current limiting, safe operating area compensation, and thermal shutdown. The current limiter's feedback circuit also operates as a short protect for the output current limiter and the output pin. The CE function allows the output of regulator to be turned off, resulting in greatly reduced power consumption. The KF8179 series can operate with up to 18V input.

Selection Guide



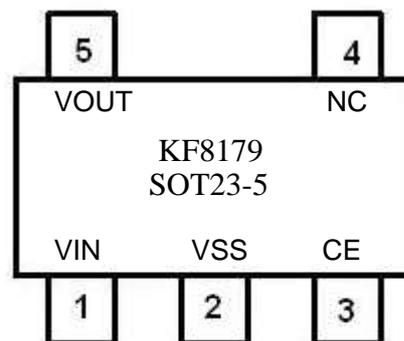
Features

- Maximum Output Current: 400mA
- Dropout Voltage:104mV@ $I_{OUT} = 100mA$
- Operating Voltage Range: 2.5V~18V
- Highly Accuracy: $\pm 2\%$
- Adjustable Output Voltage Option
- Standby Current: 60uA (TYP.)
- Line Regulation: 30mV (TYP.)
- Temperature Stability $\leq 0.5\%$
- Thermal Shutdown Protection: 164°C
- Packages:SOT23-5,SOT89-3

Typical Application

- Consumer and Industrial Equipment Point of Regulation
- Switching Power Supply Post Regulation
- Hard Drive Controllers
- Battery Chargers

Pin Configuration



Typical Application Circuit

