

LOW DROPOUT VOLTAGE REGULATOR

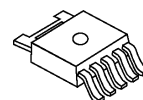
■ GENERAL DESCRIPTION

The NJM2837 is a 1A output low dropout voltage regulator. This product has Reverse Current Protection without external SBD

Advanced Bipolar technology achieves low noise, high ripple rejection and high supply voltage.

2.4V to 15V output voltage range, 2.2 μ F small decoupling capacitor, built-in noise bypass capacitor make the NJM2837 suitable for various applications.

■ PACKAGE OUTLINE

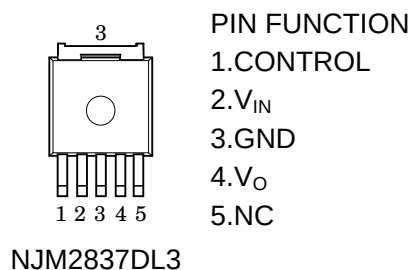


NJM2837DL3

■ FEATURES

- Output voltage options available 2.4 to 15.0V
- High Ripple Rejection 80dB typ. (f=1kHz, $V_O=3V$ Version)
- Output Noise Voltage $V_{no}=45\mu V_{rms}$ typ.
- Output capacitor with 2.2 μ F ceramic capacitor ($V_O \geq 5.1V$)
- Output Current $I_O(max.)=1A$
- High Precision Output $V_O \pm 1.0\%$
- Low Dropout Voltage 0.2V typ. ($I_O=600mA$)
- Internal Thermal Overload Protection
- Internal Over Current Protection
- Bipolar Technology
- Package Outline TO-252-5

■ PIN CONFIGURATION



■ EQUIVALENT CIRCUIT

