

Very Low Output Voltage Series Regulator

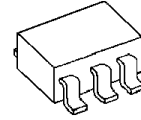
■ GENERAL DESCRIPTION

The NJM2847 is a series voltage regulator that delivers up to 150mA output current with the output voltage of 0.8 to 1.4V with ON/OFF control.

Advanced Bipolar technology achieves low noise, high ripple rejection, High accuracy and low quiescent current.

Small packaging and 2.2 μ F small decoupling capacitor make the NJM2847 suitable for space conscious applications.

■ PACKAGE OUTLINE

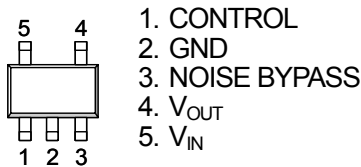


NJM2847F3

■ FEATURES

- Output Voltage Range 0.8V to 1.4V
- Input Voltage Range 2.3V to 9.0V
- High Ripple Rejection 85dB typ. (f=1kHz, V_O=0.8V version)
- Very Low Output Noise Voltage V_{NO}=20 μ Vrms typ. (C_p=0.01 μ F)
- Output Current I_O(max)=150mA
- High Precision Output V_O \pm 1.0%
- Output Capacitor with 2.2 μ F ceramic capacitor
- ON/OFF Control
- Built-in Thermal Overload Protection and Short Circuit Current Limit Protection
- Bipolar Technology
- Package Outline SC-88A

■ PIN CONNECTION



NJM2847F3

■ BLOCK DIAGRAM

