

LOW DROPOUT VOLTAGE REGULATOR

■ GENERAL DESCRIPTION

The NJM2884/A is a low dropout voltage regulator with ON/OFF control.

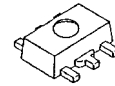
Advanced Bipolar technology achieves low noise, high ripple rejection and low quiescent current.

It delivers up to 5V/500mA output power with the maximum input voltage of 10V.

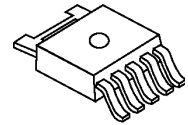
The NJM2884/A is suitable for audio/video and PC related applications.

The "U2" suffix product achieves high P_D compared with "U1" although the same package outline (SOT-89-5).

■ PACKAGE OUTLINE



NJM2884U1/U2

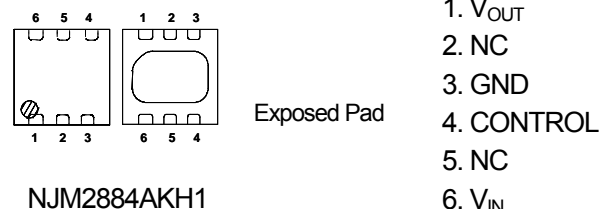
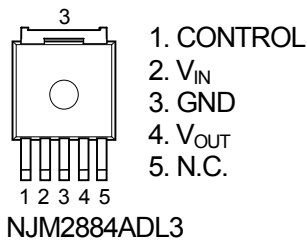
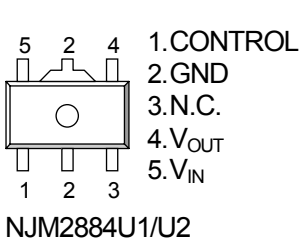


NJM2884ADL3

■ FEATURES

- High Ripple Rejection 75dB typ. (f=1kHz, $V_o=3V$ Version)
- Low Output Noise Voltage $V_{no}=45\mu V_{rms}$ typ.
- Output capacitor with 2.2 μF ceramic capacitor ($V_o \geq 2.7V$)
- Output Current $I_o(max.)=500mA$
- High Precision Output $V_o \pm 1.0\%$
- Low Dropout Voltage 0.18V typ. ($I_o=300mA$)
- ON/OFF Control Function
- Internal Thermal Overload Protection
- Internal Short Circuit Current Limit
- Bipolar Technology
- Package Outline SOT-89-5(NJM2884U1/U2)/ TO-252-5(NJM2884ADL3)/ ESON6-H1(NJM2884AKH1)

■ PIN CONFIGURATION



■ EQUIVALENT CIRCUIT

