



BCD
Process
Series



NJW4183

40V $I_o=100\text{mA}$ Low dropout Regulator

■ GENERAL DESCRIPTION

The NJW4183 is a 100mA output low dropout voltage regulator with reverse current protection circuit.

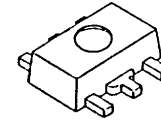
Advanced BCD technology achieves low consumption, high output current and high supply voltage.

Output voltage range is from 2.0V to 5.0V. And it corresponds to low ESR capacitor. The NJW4183 is suitable for various applications.

■ FEATURES

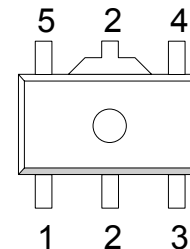
- Maximum Input Voltage 40V max.
- Operating Voltage 35V max.
- Quiescent Current 20 μA typ.
- Correspond to low ESR Capacitor (MLCC)
- Output Current $I_o(\text{min.})=100\text{mA}$
- Output Voltage Range 2.0V to 5.0V fixed setting
- Voltage Accuracy $V_o\pm 1.0\%$
- Built-in Thermal Shutdown
- Over Current Protection
- Reverse Current Protection
- Package SOT-89-5

■ PACKAGE OUTLINE



NJW4183U1

■ PIN CONFIGURATIONS



1. CONTROL
2. GND
3. NC
4. V_{OUT}
5. V_{IN}

■ Recommended Application

For PC, Flush Memory, LED and so on.

Please note that this device is still under the development and therefore the specifications are subject to change.