

Rail-to-Rail Input/Output Quad Operational Amplifier

■ GENERAL DESCRIPTION

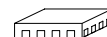
NJM2734SCC is a Rail-to-Rail Input/Output quad operational amplifier featuring Low power, low noise and operation from 1.8V.

Rail-to-Rail Input/Output provides wide dynamic range, is from ground to power supply level. In addition to ground sensing applications, NJM2734SCC enable to be applied to Hi-side sensing applications.

The features are low noise and low operating voltage for battery management, portable audio applications, and others.

NJM2734SCC is available in the small PCSP package, which saves space on printed circuit boards and suitable for small portable devices.

■ PACKAGE OUTLINE



NJM2734SCC

■ FEATURES

- Operating Voltage 1.8 to 6.0V
- Rail-to-Rail Input $V_{ICM} = 0$ to 5.0V, at $V^+ = 5V$
- Rail-to-Rail Output $V_{OH} \geq 4.9V$ / $V_{OL} \leq 0.1V$, at $V^+ = 5V$, $R_L = 20k\Omega$
- Load Drivability $V_{OH} \geq 4.75V$ / $V_{OL} \leq 0.25V$, at $V^+ = 5V$, $R_L = 2k\Omega$
- Offset Voltage 5mV max.
- Slew Rate 0.4V/ μ s typ.
- Low Input Voltage Noise 10nV/ \sqrt{Hz} typ.
- Adequate phase margin $\Phi_M = 75deg.$ typ., at $R_L = 2k\Omega$
- Bipolar Technology
- Package Outline PCSP-20