

TS985 micropower comparator

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Battery-friendly with enhanced dynamic range and high speed



TS985 micropower comparator offers under 1 mm² space-saving solution for analog designers

The [TS985](#) is a single micropower low-voltage rail-to-rail comparator. It can operate with a supply voltage ranging from 1.8 to 5 V with a typical current consumption as low as 14 μ A while achieving a 300 ns propagation delay. In addition, rail-to-rail inputs make it a perfect choice for low-voltage applications.

The less than 1 mm², 6-bump chip scale package (CSP) is a real advantage for overcoming space constraints.

Specified for temperatures from -40 to 85 °C, the TS985 is ideal for a wide range of applications.

Download our [Application Note AN4071: Introduction to comparators, their parameters and basic applications](#) for helpful information on designing analog signal conditioning circuits.

This note explains the main parameters of comparators, helps developers understand the technical characteristics given in datasheets, how hysteresis can solve unwanted oscillations, and provides information about relaxation oscillator and window comparator circuits.

Visit our [low-power comparators page](#) for more information.

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