

## Product Overview

### CS8363: Voltage Regulator, LDO, Dual Micropower, 3.3 V, with Enable and Reset

For complete documentation, see the data sheet.

The CS8363 is a precision micropower dual voltage regulator with ENABLE $\bar$  and RESET $\bar$ . The 3.3V standby output is accurate within -2%, +2.4% while supplying loads of 100mA. Quiescent current is low, typically 140 $\mu$ A with a 300 $\mu$ A load. The active RESET $\bar$  output monitors the 3.3V standby output and holds the RESET $\bar$  line low during power-up and regulator dropout conditions. The RESET $\bar$  circuit includes hysteresis and is guaranteed to operate correctly with 1V on the standby output. The second output tracks the 3.3V standby output through an external adjust lead, and can supply loads of 250mA. The logic level ENABLE $\bar$  is used to control this tracking regulator output. Both outputs are protected against overvoltage, short circuit, reverse battery and overtemperature conditions. The robustness and low quiescent current of the CS8363 makes it not only well suited for automotive microprocessor applications, but for any battery powered microprocessor applications.

#### Features

- 2 Regulated Outputs Standby Output 3.3V +/-2%; 100mA Adjustable Tracking Output; 250mA
- Low Dropout Voltage
- RESET for VSTBY
- ENABLE for VTRK
- Low Quiescent Current
- Protection Features Independent Thermal Shutdown Short Circuit 60V Peak Transient Reverse Battery

#### Benefits

- 2 outputs enable the device to be used to power a dual supply microprocessor. Output voltage tracking is ideal for voltage regulation which must leave an automotive module for powering sensors.

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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