

## Product Overview

### CAT808: Voltage Supervisor, Open Drain, Active Low

For complete documentation, see the data sheet.

The CAT808 is a high-precision voltage detector designed for monitoring single cell and multi-cell batteries. Voltage detection thresholds between 2.0V and 3.5V are provided with 0.1V resolution and  $\pm 3.0\%$  accuracy. The CAT808 open-drain output is active low until the VDD voltage exceeds the detection threshold. A low hysteresis is built into the device to minimize output 'chatter', while VDD passes through the detection threshold, and the output transitions high. After the CAT808 asserts the output high condition, it continues to monitor VDD until it drops below the detection threshold, when the output goes low until VDD once again exceeds the detection threshold.

### Features

- Ultra Low Current Consumption 2.4 $\mu$ A
- Accurate Voltage Detection Threshold
- Fine Voltage Detection Threshold Resolution
- Open Drain Output (Active Low)
- Industrial Temperature Range -40°C to +85°C
- 5-pin TSOT-23
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

### Applications

- Battery-Powered Systems
- Power Supply Monitoring
- Handheld and Portable Equipment
- Processor Supervisor Reset

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