



Precision 2.5 V, 5.0 V, and 10.0 V Voltage References

REF01/REF02/REF03

FEATURES

High output accuracy

REF01: 10.0 V, $\pm 0.3\%$ maximum

REF02: 5.0 V, $\pm 0.3\%$ maximum

REF03: 2.5 V, $\pm 0.6\%$ maximum

Adjustable output: $\pm 3\%$ minimum

Excellent temperature stability

REF01: 8.5 ppm/ $^{\circ}\text{C}$ maximum

REF02: 8.5 ppm/ $^{\circ}\text{C}$ maximum

REF03: 50 ppm/ $^{\circ}\text{C}$ maximum

Low noise

REF01: 30 μV p-p typical

REF02: 15 μV p-p typical

REF03: 6 μV p-p typical

GENERAL DESCRIPTION

The REF0x series of precision voltage references provide a stable 10.0 V, 5.0 V, or 2.5 V output with minimal change in response to variations in supply voltage, ambient temperature or load conditions. The parts are available in 8-lead SOIC, PDIP, CERDIP, and TO-99 packages, as well as 20-terminal LCC packages (883 only), furthering the parts' usability in both standard and high stress applications.

With an external buffer and a simple resistor network, the TEMP terminal can be used for temperature sensing and approximation. A TRIM terminal is also provided on the device for fine adjustment of the output voltage.

The small footprint, wide supply range, and application