

## Features

- BandGap nano power voltage reference
- Ultra low current consumption: 400 nA
- Good accuracy:  $\pm 2\%$
- Fixed output voltage: 750 mV
- Input range, from 1.0 V to 1.98 V
- Indicative core area: 0.01 mm<sup>2</sup>

## General Description

**BandGap:** The SGC21303 is a voltage reference optimized for ultra compact ultra low power applications. The voltage reference has been optimized for area and power. It provides a temperature compensated 750 mV fixed voltage output from inputs between 1.0 V and 1.98 V. The architecture of the SGC21303 enables the reference to be operated at a ultra low quiescent current while still realizing good DC characteristics. Trimming is available for increased initial accuracy. It is specified from  $T_J = -40\text{ }^\circ\text{C}$  to  $+125\text{ }^\circ\text{C}$  and is designed to achieve  $\pm 2\%$  overall accuracy (over Load/Line/Temp).

## Applications

## Quick Reference

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## Applications Diagram