

### VR3\_12\_1 - 3.3 to 1.2V Voltage regulator

#### FEATURES

- 1.2V output  $\pm 10\%$
- 1mA maximum Load current
- Maximum load regulation drop of 30mV
- Maximum quiescent current of 1.8uA
- $V_{in} = 1.6V \dots 3.6V$
- External capacitor 1uF or higher (Ceramic)

#### APPLICATIONS

On chip voltage regulation for analog or digital circuits

**TECHNOLOGY:** 0.13um Low Leakage CMOS

#### OVERVIEW

The cell is a low power, series 3.3V to 1.2 V voltage regulator. The maximum internal current, does not exceed 1.8uA. The cell also shows excellent line- and load regulation characteristics. Its low quiescent current makes the cell ideally suited for battery operated equipment. The cell includes an ultra-low-power bandgap reference circuit.

#### FUNCTIONAL DIAGRAM

