

VR3-18-20 - 3.3 to 1.8V General purpose Voltage regulator

FEATURES

- 1.80V output $\pm 5\%$
- 20mA maximum Load current
- Overload protection through current limiting
- Maximum load regulation drop of 30mV
- Suspend mode - (IDD max. 30uA)
- PSRR > 35dB
- Small footprint

OVERVIEW

The cell is a low power, medium current 3.3volt to 1.8 volt voltage regulator. The maximum voltage drop at the full load of 20mA, does not exceed 20mV. The cell also shows excellent transient load regulation characteristics. Built-in current limiting protects the cell against overload conditions.

APPLICATIONS

On chip voltage regulation for analog or digital circuits.

TECHNOLOGY: 0.18um single Poly, 5 Metal CMOS Process

FUNCTIONAL DIAGRAM

