

VR3-18-150 - 3.3 to 1.8V Voltage regulator

FEATURES

- 1.8V output $\pm 5\%$
- 150mA maximum Load current
- Overload protection through current limiting
- Maximum load regulation drop of 30mV
- Suspend mode (I_{DD} max. 20 μ A)
- $V_{in} = 2.7V \dots 3.6V$
- External capacitor 1 μ F or higher (Ceramic)
- Software re-targetable (Spec. & Process)

OVERVIEW

The cell is a high current, low voltage drop, series 3.3volt to 1.8 volt voltage regulator. The maximum voltage drop at the full load of 150mA, does not exceed 30mV. The cell also shows excellent transient line regulation characteristics. Built-in current limiting protects the cell against overload conditions

APPLICATIONS

On chip voltage regulation for analog or digital circuits

TECHNOLOGY: 0.18 μ m single Poly, 5 Metal, CMOS Process

FUNCTIONAL DIAGRAM

