

3.3 to 1.8V LDO Voltage regulator

FEATURES

- 1.8V output $\pm 5\%$
- 80mA maximum Load current
- Overload protection trough current limiting
- Maximum load regulation drop of 50mV
- Suspend mode
- Vin = 1.7V...3.6V
- External capacitor 150nF (Ceramic)

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 80mA, does not exceed 50mV. 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: 0.18um single Poly, 5 Metal,
Generic CMOS Process

FUNCTIONAL DIAGRAM

