

### VR3IC-18-20S - 3.3 to 1.8V Capless Voltage regulator

#### FEATURES

- 1.8V output  $\pm 5\%$
- 20mA maximum Load current
- Overload protection trough current limiting
- Maximum load regulation drop of 30mV
- Suspend mode (IDD max. 45uA)
- PSRR > 30dB
- Software re-targetable (Spec. & Process)

#### OVERVIEW

The cell is a high current, low voltage drop, series 3.3volt to 1.8 volt voltage regulator requiring no external capacitors. The maximum voltage drop at the full load of 20mA, does not exceed 10mV. Built-in current limiting protects the cell against overload conditions

#### APPLICATIONS

On chip voltage regulation for analog or small digital circuits

**TECHNOLOGY:** 0.18um single Poly, 5 Metal CMOS Process

#### FUNCTIONAL DIAGRAM

