

POR18 - Power On Reset

FEATURES

- 1.8V supply reset
- 1V Minimum operating Voltage
- 13 μ A Maximum Current Consumption
- Glitch detection/rejection
- Built-in Hysteresis
- Software re-targetable (Spec. & Process)

APPLICATIONS

- Reset of digital circuitry after power on

OVERVIEW

The cell is a 1.8V Power On Reset Cell for digital circuits. The Power On Reset is monitoring the 1.8V Supply line and generates a reset when the supply voltage drops below the threshold level. The internal reference for the POR is generated by a Bandgap circuit.

TECHNOLOGY: 0.18 μ m single Poly, 5 Metal
Generic and Low Leakage CMOS Process

FUNCTIONAL DIAGRAM

