

## Low power dual voltage comparator

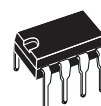
### Features

- Wide single supply voltage range or dual supplies +2 V to +36 V or  $\pm 1$  V to  $\pm 18$  V
- Very low supply current (0.4 mA) independent of supply voltage (1 mW/comparator at +5 V)
- Low input bias current: 25 nA typ.
- Low input offset current:  $\pm 5$  nA typ.
- Input common-mode voltage range includes negative rail
- Low output saturation voltage: 250 mV typ. ( $I_O = 4$  mA)
- Differential input voltage range equal to the supply voltage
- TTL, DTL, ECL, MOS, CMOS compatible outputs

### Description

This device consists of two independent low power voltage comparators designed specifically to operate from a single supply over a wide range of voltages. Operation from split power supplies is also possible.

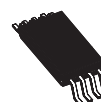
These comparators also have a unique characteristic: the input common-mode voltage range includes the negative rail even though operated from a single power supply voltage.



**N**  
**DIP8**  
(Plastic package)



**D**  
**SO-8**  
(Plastic micropackage)



**P**  
**TSSOP8**  
(Thin shrink small outline package)

#### Pin connections (top view)

