

MC300 - DC Motor Controller

FEATURES

- Low Power consumption in Standby mode
- Wide operating voltage range (6 to 12V)
- On chip current limiter
- Thermal shutdown protection
- Microprocessor interface
- Normal and PWM mode of operation possible
- 100% short circuit prof.

APPLICATIONS

Control of small DC motors (up to 300mA) in either normal or PWM mode.

OVERVIEW

The MC300 is a bi-directional H-bridge controller circuit designed for driving small DC motors. Two inputs are available for controlling the motor operation. An on chip current limiting and output shortcircuit protection, as well as an over temperature protection circuit, assures safe circuit operation. An external pin is provided for feeding back overtemperature conditions to an external controller. An on-chip power-on-reset is assuring a defined state at power on.

TECHNOLOGY: HV CMOS Process

FUNCTIONAL DIAGRAM

