

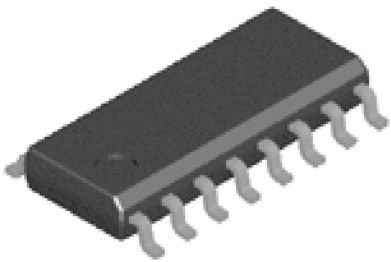
# KA7500B

## Description

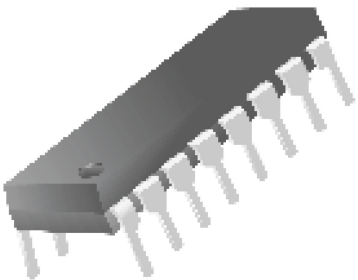
The KA7500B is used for the control circuit of the PWM switching regulator. The KA7500B consists of 5V reference voltage circuit, two error amplifiers, a flip flop, an output control circuit, a PWM comparator, a dead time comparator and an oscillator. This device can be operated in the switching frequency of 1kHz to 300kHz.

## Features

- Internal Regulator Provides a Stable 5V Reference Supply Trimmed to 1%
- Uncommitted Output TR for 500mA Sink or Source Current
- Output Control For Push-Pull or Single Ended Operation
- Variable Duty Cycle By Dead Time Control (Pin 4) Complete PWM Control Circuit
- On-Chip Oscillator With Master or Slave Operation
- Internal Circuit Prohibits Double Pulse at Either Output



SOP-16



DIP-16

## Internal Block Diagram

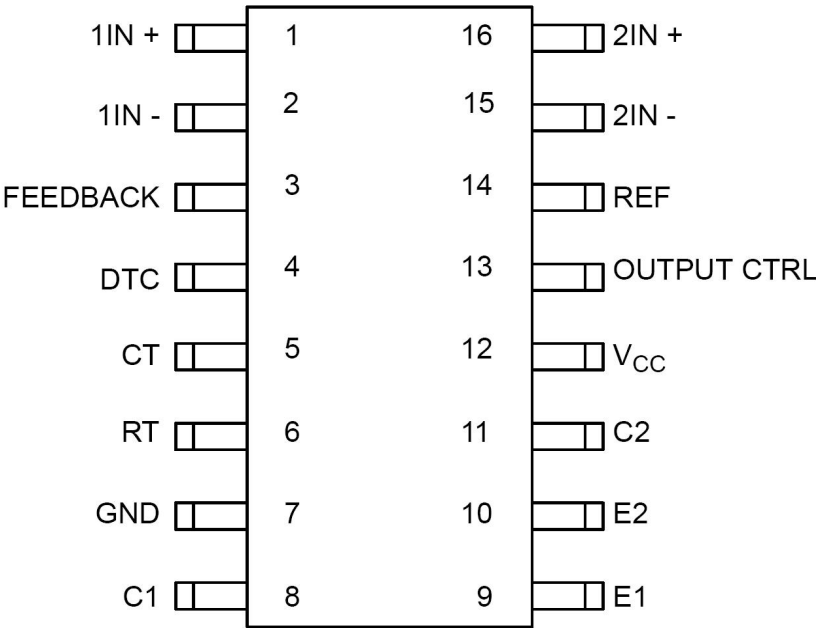


Figure 1. Top View