

# Reversible motor driver

## BA6109

The BA6109 is a monolithic IC used for driving reversible motors. Two control logic inputs allow three output modes : forward, reverse, and stop.

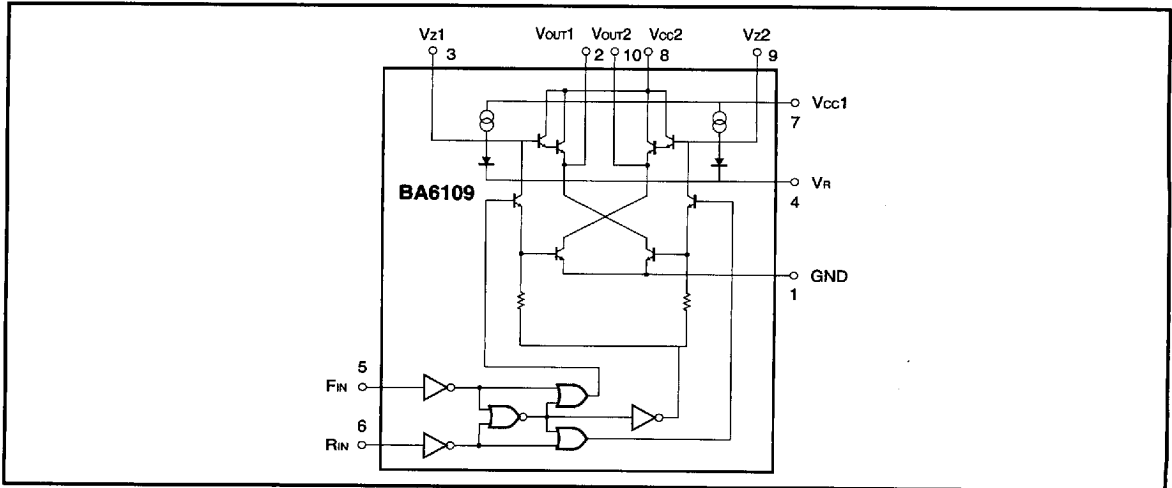
When switching from the forward or reverse mode to the stop mode, a brake is applied by absorbing the counter-electromotive force of the motor. The IC has a built-in function to absorb motor rush currents that occur when switching the output mode.

Output voltage is determined by the external constant voltage diode connected between pin 4 and GND. The motor drive transistor can tolerate a rush current of up to 800mA. The IC can drive motors with various operating voltages. Because the IC operates with a current less than  $50 \mu A$ , you can directly connect the IC with CMOSs or other control logic outputs.

### ●Features

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|---|--|
| 1) Motor driving power transistors are built in; a rush current up to 800mA is allowable. | 4) Interfaces with MOS LSI devices.                  |
| 2) Brake is applied when stopping the motor.  | 5) Small number of external parts.                   |
| 3) Built-in function to absorb motor rush currents.                                       | 6) Wide range of operating supply voltage (6 ~ 18V). |
|   | 7) Available in a 10-pin SIP package.                |

### ●Block diagram



7828999 0018566 T54

