

## Single-phase DC Brushless Motor Driver IC

### ■ GENERAL DESCRIPTION

The NJU7343/ 44/ 45 are single-phase DC brushless motor driver ICs designed for a small fan motor. Adopting the CMOS process, they can provide a low saturation output voltage that is effective in high current operation.

These drivers include useful functions of Lock Detect / Auto Reset and Thermal Shutdown Circuit for safety fan operation. Each of the drivers has FG output (NJU7343), Half FG output (NJU7344), and RD output (NJU7345).

They are available in a small MSOP10 (VSP10) package, which makes motors thin and small. They are suitable for applications for small and high output fan motors.

### ■ PACKAGE OUTLINE

### ■ FEATURES

- Operating Voltage                    2.2 to 5.5V
- Lock Detect / Auto Release
- Control Output Terminal
  - NJU7343:FG(Frequency Generator)
  - NJU7344:Half FG
  - NJU7345:RD(Rotation Detect)
- Thermal Shutdown Circuit
- Low Operating Current
- Low Saturation Output Voltage
- $V_{sat} = \pm 0.25V$  @  $I_o = \pm 500mA$
- Input offset voltage