

Single-phase DC Brushless Motor Driver IC

■ GENERAL DESCRIPTION

The NJU7346 is a single-phase DC brushless motor driver IC designed for small and high power fan-motor applications.

It provides a low operating current of 3mA (typ.) and low saturation output voltage at high output current operation, which offers a high efficiency motor driving. It has a FG (frequency generator) output useful for various control systems and thermal shutdown circuit useful for high-current applications. Further it incorporates feed-back resistances to provide optimized output wave for low noise motor driving.

The NJU7346 is available in a small and thin surface mount package of MSOP10 (TVSP10), which provides downsizing and thinning in motor applications.

■ PACKAGE OUTLINE

■ FEATURES

- Operating Voltage 3.5 to 14V
- Frequency Generator Output
- Thermal Shutdown Circuit
- Low Operating Current
- Low Saturation Output Voltage
- $V_{sat} = \pm 0.3V$ @ $I_o = \pm 200mA$
- CMOS Technology
- Package Outline