



Single-Phase Full-Wave Motor Driver for Silent Fan Motor

1. Description

iT6601 is a single phase DC brushless motor driver IC, and its rotation speed can be controlled by PWM input signal. The output driving strength of this IC is amplified by hall input signals, so it is suitable for game machines and CPU coolers that need silent drivers. When the fan is locked, the device will enter the lockup protection mode. It includes thermal shutdown function as well. The supply current is less than 5 mA at normal operation. When locked or PWM frequency < 20 Hz, iT6601 will enter power saving mode. This feature will shutdown amplifier and FG. iT6601 is available in UTDFN 3X3-10L package.

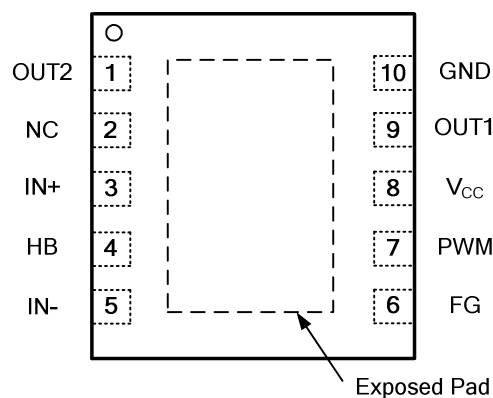
2. Features

- Single phase full wave fan driver
- Silent driver
- Low supply current
- Low standby current at lock mode
- Lock protection and auto restart function
- Built-in FG output
- Built-in thermal protection circuit
- HBM ESD above 5 KV
- Power PWM

3. Applications

- Motor driver for silent fan motors

4. Pin Assignments



Top View
UTDFN3X3-10L