

## Product Overview

### STK681-332-E: Motor Driver, DC, Forward / Reverse, with Brush

For complete documentation, see the data sheet.

STK681-332-E is a hybrid IC for use in current control forward/reverse DC motor driver for brush motors. It allows forward, reverse, and brake operations in accordance with the external input signal. The peak startup output current is 8.5A and the peak brake output current is 12A. Connecting an external current detection resistor allows over-current detection and peak current control in the PWM operation mode. And STK681-332-E has various protective functions built-in. They include function against over-current, overheating and short to ground and short to supply. And it obviates the need to design for the dead time in order to turn off the upper and lower drive devices when switching between the forward and reverse operation mode.

#### Features

- PWM operation
- Built-in protective functions
- No need for dead time design

#### Applications

- Computing & Peripherals
- Industrial

#### Benefits

- Allows peak current control
- Include function against over-current, overheating and short to ground and short to supply.
- Easy to safety design

#### End Products

- Multi-Function Printer
- Slot machine
- Vending Machine

### Part Electrical Specifications

Product	Compliance	Status	V <sub>M</sub> Min (V)	V <sub>M</sub> Max (V)	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	I <sub>O</sub> Min (A)	I <sub>O</sub> Peak Max (A)	Control Type	Current Sense	Package Type
STK681-332-E	Pb-free	Active		52	4.75	5.25	8.5	12	PWM	External Resistor	SIP-19

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