Product Overview

STK681-300: Motor Driver, DC, Forward / Reverse, with Brush

For complete documentation, see the data sheet

Product Description

STK681-300 is a forward/reverse motor driver thick film hybrid IC. It is designed for current control of DC brush motors. It allows forward, reverse, and brake operations in accordance with the external input signal. The peak startup output current is 2.9A and the peak brake output current is 5A. It have current sensing resistor built-in, and we can space-saving design easily. And it obviate 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

- Built-in current sensing resistor
- Built-in overheat protection
- Built-in over-current protection

Benefits

- Fixed current control is possible
- Suppresses current drain when overheating state occurs
- The 50µs off time self-excitation chopping function

Applications

- Computing & Peripherals
- Industrial

End Products

- Multi-Function Printer
- Slot machine
- Vending Machine

Part Electrical Specifications

Product	Compliance	Status	Type	V_M Min (V)	V_M Max (V)	V_{CC} Min (V)	V_{CC} Max (V)	I_O Max (A)	I_O Peak Max (A)	Step Resolution	Control Type	Feedback Method	Current Sense	Regulator Output	Fault Detection	Flyback Protection	$R_{DS(on)}$ Typ (Ω)	Package Type
STK681-300	Pb-free	Active	Brush DC	-	52	4.75	5.25	2.9	5		Parallel	None	Fully Integrated	No	Over-Current / Thermal			SIP-19

For more information please contact your local sales support at www.onsemi.com

Created on: 7/11/2015