

Product Overview

STK681-320: Motor Driver, DC, Forward / Reverse, with Brush

For complete documentation, see the data sheet

Product Description

STK681-320 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 5.2A and the peak brake output current is 8A. 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 over-heat protection Built-in over-current protection Built-in over-current protection No need for dead time design Benefits Fixed current control is possible Suppresses current drain when overheating state occurs The 50µs off time self-excitation chopping function Easy to safety design

Applications End Products

- · Computing & Peripherals
- Industrial

- Multi-Function Printer
- · Slot machine
- Vending Machine

Part Electrical Specifications

Product	Compliance	Status	V _M Min (V)	V _M Max (V)	V _{CC} Min (V)	V _{CC} Max (V)	I _o Min (A)	I _o Peak Max (A)	Contro I Type	Curren t Sense	Regul ator Output	Detecti on	Flybac k Protec tion	Packa ge Type
STK681-320	Pb-free	Active		52	4.75	5.25	5.2	8	Paralle I	Fully Integra ted	No	Therm al		SIP-19

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