Product Overview

STK672-520: Unipolar 2-phase Full & Half Stepping Motor Driver

For complete documentation, see the data sheet

Product Description

The STK672-520 is a unipolar fixed-current chopper type 2-phase stepping motor driver hybrid IC. It features power MOSFETs in the output stage and a build-in phase signal distribution IC. The incorporation of a phase distribution IC allows the STK672-520 to control the speed of the motor based on the frequency of an external input clock signal. It supports two types of excitation for motor control: 2-phase excitation and 1-2 phase excitation. It also provides a function for switching the motor direction.

Features

- The motor speed can be controlled by the frequency of an external clock signal
- The excitation type is switched according to the state of the MODE pin
- A motor direction switching pin is provided
- Current detection resister is built in
- Hollow packages

Benefits

- Easy to motor speed control
- Easy to switch excitation type
- Easy to switch a motor direction
- Reduce the mounting area on PCB
- Unlikely to release smoke or cause fires

Applications

- Computing & Peripherals
- Industrial
- Medical

End Products

- Multi-Function Printer
- Auto Trading Machine
- Slot Machine
- Vending Machine
- Blood Analyzer

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
STK672-520	Pb-free	Active	Stepper	10	42	4.75	5.25	1.4	5	½	Clock	None	Fully Integrated	No				SIP-12

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

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