

12V Low Saturation Voltage Stepper Motor Driver

FEATURES

- V_{CC} max=20V, I_O max=1A
- . 4V to 16V Operating Supply Voltage Range
- . DMOS Output Transistor Adoption (Upper and lower total $R_{\text{ON}}{<}1\Omega$ typ.)
- . 0 Current Consumption @ Standby Mode
- . Built-in Over-current Protection
- . Built-in Over-temperature Protection
- Built-in Under Voltage Lockout
- . Small Package is Adopted: SSOP10

APPLICATIONS

- . Refrigerator
- . Flatbed Scanner, Document Scanner
- . POS Printer, Label Printer
- . PoE Point of sales Terminal
- . Clothes Dryer
- . Vacuum cleaner
- . Time Recorder

TYPICAL APPILCATION

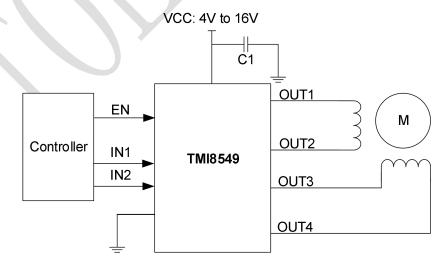


Figure 1. Example of application circuit when one stepper motor driving

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GENERAL DESCRIPTION

The TMI8549 is a 2-channel output low saturation voltage motor driver IC. It is optimal for full stepper motor drive in 12V system products.

With the internal inverters, TMI8549 can drive a step motor with only two square waves. Moreover, the integrated over current protection and over temperature protection help the system work safely.

The package form of TMI8549 is SSOP10.