



## Product Overview

### STK672-740AN-E: Unipolar 2-Phase Stepper Motor Driver

For complete documentation, see the data sheet

#### Product Description

The STK672-740AN-E is a hybrid IC for use a unipolar, 2-phase stepping motor driver Hybrid IC. It features the use of A, AB, B and BB 2-phase input signals. It is with built-in current resistor, and motor current is set by the voltage on the Vref pin. In addition the STK672-740AN-E has various protective functions against over-current and over-heat. And it is pin-compatible with STK672-732AN-E.

#### Features

- Protective function against over-current and over-heat is built in
- Common-mode input protection circuit is built in
- Current detection resistors is built in

#### Benefits

- Superior in safety drive
- When A and AB (or B and BB) turn on at the same time, it prevents destruction
- Easy to design and reduce the mounting area

#### Applications

- Computing & Peripherals
- Industrial

#### End Products

- Multi-Function Printer
- Document Scanner
- Auto Trading Machine
- Vending Machine

#### Part Electrical Specifications

Product	Compliance	Status	Type	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> Max (A)	I <sub>O</sub> Peak Max (A)	Step Resolution	Control Type	Feedback Method	Current Sense	Regulator Output	Fault Detection	Flyback Protection	R <sub>DS(on)</sub> Typ (Ω)	Package Type
STK672-740AN-E	Pb-free	Active	Stepper	10	52	4.75	5.25	4	20	1/2	Parallel	None	Fully Integrated	No	Over-Current Thermal UVLO			SIP-19

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

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