

In case our newsletter is not displayed correctly in your email system, please [Click here!](#) to view it in your web-browser.



Newsletter 07/2010

Dear Customer,

welcome to the July 2010 issue of ROHM Semiconductor Email Newsletter. If you want to change your contact details or if you do not want to receive the Newsletter anymore please use the link at the end of this page.

ROHM Microstep Motor Drivers Deliver High Performance and Reliability

Full-step to eighth-step and sixteenth-step devices operate from a single supply; ultra-thin, compact package bottom side heat sink; unique Ghost Supply Prevention feature eliminates motor malfunctions; built-in voltage, current and thermal protection.

The new high-performance, high-reliability stepper motor drivers from ROHM Semiconductor offer selectable excitation modes-full-step to sixteenth-step with 1.0A or 2.0A output current and full-step to eighth-step with 2.5A output current. These microstep drivers enable designers to optimize motor torque, noise and vibration for a wide range of applications. Selectable current decay pattern (FAST/SLOW/MIXED decay modes) further enhances motor performance. Circuit design is simplified through a combination of features including an internal voltage regulator, control input translator and DMOS output. The built-in regulator permits operation from a single 36V (max.) supply. Instead of parallel control lines, a single clock (CLK) input is converted by the device's internal translator into motor drive signals. Additionally, ROHM's advanced DMOS (Pch + Nch) output topology eliminates the need for external charge pump components.

The ROHM microstep drivers are the latest addition to the ROHM Stepper Motor Driver Series, which incorporates undervoltage, overvoltage, overcurrent and thermal protection not typically included in motor driver ICs. This series also features ROHM's unique Ghost Supply Prevention (GSP) function that prevents aberrant operation in the off mode.

Stepper Driver features includes:

- Built-in translator
- Built-in regulator
- Multiple protection circuits



- Logic input with Ghost Supply Prevention
- Constant current control tuning function
- DMOS output
- Adjacent pin short protection

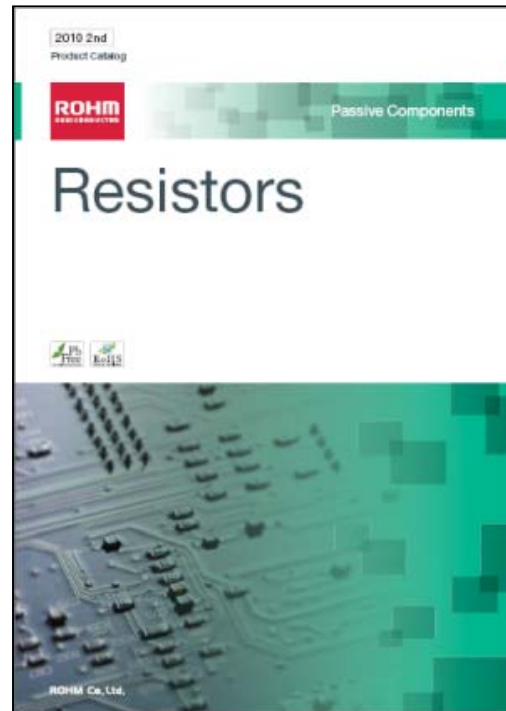
 [More Information on www.rohmeurope.com](http://www.rohmeurope.com)

"Resistors", 2nd Product Catalog 2010

ROHM Semiconductor, the pioneer in chip resistors, offers a broad lineup, ranging from the ultra-compact MCR004 series units and the high reliability surge-resistant ESR series to high voltage resistance models (KTR series) and products optimized for current detection (PMR series). Select the ideal solution to fit set requirements.

ROHM Semiconductor creates a new Resistor catalog - 2nd Edition 2010.

 [More Information on www.rohmeurope.com](http://www.rohmeurope.com)



If you want to change the options for your ROHM-Newsletter or if you want to unsubscribe please click [here](#).