

Excellence in Electronics

ROHM

NEWS

Newsletter 04/2008

Dear Customer,

welcome to the April 2008 issue of Rohm's 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.

BD6290EFV Stepping Motor Driver

The wait is over. ROHM offers the long-awaited successor to the extremely popular BD6775EFV series of stepping motor drivers. This new series looks forward to the future while still keeping an eye on its rich history.

Introducing the BD6290EFV:

This latest version adds the latest technological advances to the BD6775EFV's venerable list of functions.

Main features of the BD6290EFV:

1. Pin compatibility enables drop-in replacement
2. No logic power supply needed
3. Upgraded protection functions

The items mentioned above represents only a partial listing of the substantial number features of ROHM's newest stepping motor driver series. Loaded with the latest advances.

Main Features for stepping motor driver series

- * DMOS stepping motor driver
- * Parallel interface
- * PWM (intelligent) constant current control

Recommended Applications

Scanners, LBPs, MFPS, and other sets requiring paper transport, photocopiers, miniprinters, sewing machines, surveillance cameras, and more.

Product	High-power DMOS	High-power DMOS (No. 20)	High-power DMOS (No. 20)	High-power DMOS (No. 20)	High-power DMOS (No. 20)	High-power DMOS (No. 20)	High-power DMOS (No. 20)	High-power DMOS (No. 20)
BD6775EFV	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BD6290EFV	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BD6290EFV (No. 20)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BD6290EFV (No. 20)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BD6290EFV (No. 20)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BD6290EFV (No. 20)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BD6290EFV (No. 20)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BD6290EFV (No. 20)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BD6290EFV (No. 20)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BD6290EFV (No. 20)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

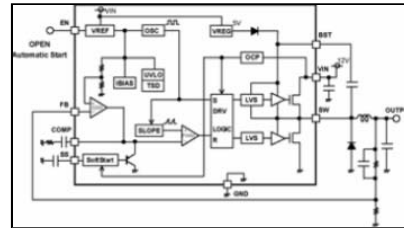
More Information on www.rohmeurope.com

New Step Down Converters for high currents of up to 4A

BD9322EFJ, BD9323EFJ and BD9324EFJ are step-down regulators that integrate a low resistance (0.1 Ohm / 0.15 Ohm) high side N-channel MOSFET. Output current levels reach 2A / 3A / 4A in continuous operation over a wide input supply range (4.75V ~ 18V). Current mode operation provides fast transient response and easy phase

compensation.

Further features are: Low-ESR output ceramic capacitors operation, low standby current during shutdown mode, 380kHz internally generated clock frequency and a low feedback voltage of $0.9V \pm 1.5\%$. The devices are also equipped with protection functions like under-voltage lockout, thermal shutdown and over-current limitation.



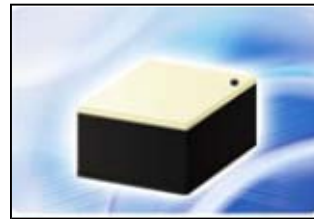
[More Information on www.rohmeurope.com](http://www.rohmeurope.com)

RPI-1031: ROHM starts sample deliveries on new 4-Directional SMD Tilt Sensor

By adding the new 4-direction tilt sensor in an extremely small surface mount package ($3.9 * 3.9 * 2.4\text{mm}^3$), Rohm helps customers to bring new fancy features to their products.

The RPI-1031 employs the principle of ROHM's advanced photo interrupter technology through the integration of one IR LED and two IR photo transistors. It allows identifying the gravity direction in equipment turning up, down, left and right.

One application example is the fully automatic picture format change in digital camera systems, when turning the camera by 90 degrees (landscape <-> portrait). But there are many more applications that start to adopt the new ROHM tilt sensor: mobile phones, portable navigation systems, portable media devices, irons, fan heaters, electric fans, remote controls, water level controls, audio accessories, etc.



Samples are available on request, the mass production of RPI-1031 is planned to ramp up during Q3/2008. The part is reflow compatible, Pb-free, RoHS compliant and is shipped taped on reel.

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

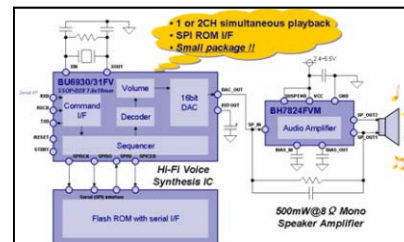
BU6930FV and BU6929FV Hi-Fi Voice Synthesis IC

BU6930FV and the new BU6929FV offer cost efficient sound playback systems:

With the introduction of BU6929FV single channel playback Hi-Fi Voice Synthesis IC ROHM offers another even lower cost alternative to play back pre-recorded sound clips from a serial flash ROM.

Samples are available on request. Both parts are reflow compatible, Pb-free, RoHS compliant and delivered taped on reel.

Applications: Voice guidance systems in white goods, industrial and consumer devices. Sound playback systems in kitchenware, elevators, security systems, medical devices, office automation, vending machines and others.



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

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