This product update is presented by ROHM Semiconductor.

Featured Products

New Evaluation Boards for USB Type-C USB Power Delivery

ROHM has recently announced the availability of USB Power Delivery (USBPD) compatible transmitter/receiver evaluation boards designed to connect to information and peripheral devices using the new Type-C connector.

News Release

Watch Video

## Synchronous Boost DC/DC Converter - BU33UV7NUX

The BU33UV7NUX low-power synchronous buck-boost converter supports products powered by two-cell alkaline, NiCd, NiMH, one-cell Li-ion, or Li-polymer batteries. Output currents can go as high as 500mA while using two alkaline, with discharge going down to 1.8V. The BU33UV7NUX includes a reset circuit. (Reset-Detect Voltage: 1.5V, Reset-Release Voltage: 1.9V) The output voltage is fixed by an internal resistor divider. When the VIN voltage is higher than 3.3V, Vout matches Vin.

Broad Buck Converter Lineup Delivers Industry-Leading Compatibility
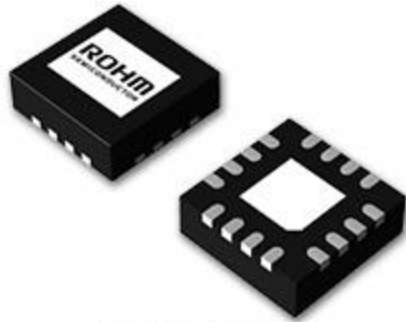
VQFN016V3030
(3mm x 3mm x 1mm)

HTSOP-J8
(4.9mm x 6mm x 1mm)

ROHM developed the BD9x family of buck DC/DC converters to meet the various requirements of DC/DC converter applications. From the matrix of input voltage and output current, users can easily find the ideal power supply solution to fit set needs. The optimum product can also be selected based on high-speed response control, light load mode, and other characteristics.
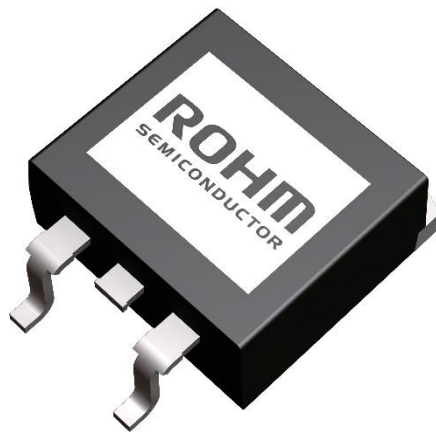
Samples can be purchased online through authorized distributors, along with evaluation boards that make it possible to immediately verify operation.

[Product Page](#)

[Selection Guide](#)

AECQ D2PAK SiC Schottky Barrier Diodes

AECQ D2PAKs big advantages include small total capacitive charge (Qc) that reduces switching loss, enabling high-speed switching operation. In addition, unlike Si-based fast recovery diodes where the trr increases along with temperature, Silicon carbide (SiC) devices maintain constant characteristics, resulting in better performance.

Product Page