



Newsletter

POWER UP with ROHM

This AAC product update is in partnership with ROHM Semiconductor.

Featured Product



N-Channel Silicon Carbide Power MOSFETs

1700V N-channel SiC (Silicon Carbide) power MOSFETs for Auxiliary and Switch Mode Power Supply Applications

Features:

- Low ON-resistance
- Fast switching speed
- Long creepage distance with no center lead
- Simple to drive
- Pb-free lead plating; RoHS compliant

SCT2H12NY

SCT2750NY

Featured Product



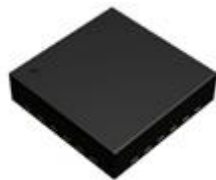
6V To 20V, 1A 1ch PWM Buck Converter with Integrated FET

The BD9227F is a 20V/1A non-synchronous PWM duty control buck converter with integrated high-side 20V power MOSFET. The operating frequency is fixed at 1.0MHz using an internal circuit. Current mode control with internal slope compensation simplifies external compensation calculation and reduces component count while supporting the use of ceramic output capacitors. Additional protection features are included, such as Over Current Protection, Thermal Shutdown and Under Voltage Lockout. Under voltage lockout and hysteresis can be set by an external resistor. The BD9227F is available in the SOP8 package.

[More Information](#)

[News Release](#)

Featured Product



7.5V To 18V, 1ch Synchronous Buck DC/DC Converter with integrated 6A MOSFET

The BD95861MUV is a 1ch synchronous buck converter that can generate output voltages from 0.8V to 5.5V from 7.5V to 18V input. A space-saving high efficient switching regulator can be achieved due to built-in N-MOSFET power transistors. The IC also incorporates H3Reg™ technology, a ROHM proprietary constant ON TIME control mode that facilitates ultra-high transient response against load changes without external compensation components. Fixed Soft Start, Power Good, and short circuit / over voltage protection with timer latch functions are also incorporated. The BD95861MUV is designed for power supplies for digital AV equipment.

[More Information](#)

Wireless Charging ICs



Wireless charging technology is attracting increased attention in the mobile device sector by eliminating power cords for charging. This is expected to improve convenience and device safety by enabling multiple devices to be charged using a single charger while making connectors more water- and dust-proof. We also offer wireless design kits that you can order today!

[More Information](#)

[Design Kit](#)

[Buy Design Kit](#)

Gate Drivers



A broad range of gate drivers are offered, including AECQ qualified models (from 2500V to our brand new BM60015 featuring 3750V isolation).

3750Vrms Isolated 1ch Gate Driver

The BM60015FV-C features an isolation voltage of 3750Vrms, I/O delay time of 75ns, and minimum input pulse width of 60ns. Also included are under voltage lock out (UVLO) and Miller clamp functions.

[More Information](#)

[BM60016FV-C](#)