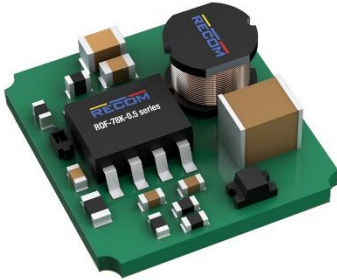


ROF-78K-0.5


The ROF-78K-0.5 series is a high-efficiency, non-isolated switching regulator designed for demanding applications requiring a compact, low-profile SMD solution. With a wide 2:1 input voltage range from 4.5 to 36VDC, it ensures stable and reliable operation across varying input conditions. The series delivers a regulated single output with up to 500mA continuous output current and offers seven standard output voltages from 3.3V to 24VDC. Featuring efficiency of up to 95% and no minimum load requirement, the ROF-78K-0.5 provides excellent performance even at low loads. The regulator operates over an extended temperature range from -40°C to +95°C without derating and up to +105°C with derating, making it suitable for harsh industrial environments. Its compact, pin-less SMD package (12.5 x 13.5 x 4.5mm) enables easy integration and supports reflow soldering with inspection-friendly half-vias.

Additional features include ON/OFF control for efficient power management, low ripple and noise, and integrated protection functions such as continuous short-circuit protection and overcurrent protection with automatic recovery. Combined with a low standby current and robust design, the ROF-78K-0.5 series is a cost-effective solution for modern power architectures.

Unique selling proposition:

Wide 4.5 – 36V input voltage range // High efficiency up to 95% // No minimum load // Low-profile SMD package (4.5mm) // Continuous short-circuit & overcurrent protection
Industrial electronics // Automation systems // Embedded system designers // Test & measurement

Target customer:
Target applications examples:

Distributed power architectures // Battery-powered devices // Industrial control systems // IoT and embedded applications

Main features:

0.5A output current // Up to 95% efficiency // -40°C to +105°C operation // No derating up to +95°C // Compact pin-less SMD package // ON/OFF control // Low ripple & noise

Global sales release date:

17th June 2026

Web release date:

6th May 2026

Available from sample stock:

No

REC6K-AW



The REC6K-AW series is a high power density 6W DC/DC converter family featuring a wide 4:1 input voltage range and fully regulated, isolated outputs. Housed in an industry-standard 1"x1" package, these converters combine compact design with robust performance, making them ideal for space-constrained industrial applications. The series supports both single and dual outputs with output currents up to 1.5A, while maintaining high efficiency and stable operation across a wide input range of 9–36VDC or 18–75VDC. Designed for reliability and flexibility, the REC6K-AW offers no minimum load requirement, tight line and load regulation, and low ripple and noise characteristics. Single output versions provide an adjustable output voltage via a $\pm 10\%$ trim function, allowing fine-tuning for specific application needs. The converters also feature integrated ON/OFF control, undervoltage lockout (UVLO), and a comprehensive set of protection functions including continuous short-circuit, overcurrent, and overvoltage protection with automatic recovery.

With 1500VDC isolation, operation up to +105°C ambient (with derating), and compliance with IEC/EN/UL 62368-1 standards, the REC6K-AW series ensures safe and reliable operation even in demanding environments. Combined with its high power density and robust feature set, it is a versatile solution for modern distributed power systems.

Unique selling proposition:

4:1 wide input voltage range (9–36V / 18–75V) // 6W in compact 1"x1" package // 1500VDC isolation // $\pm 10\%$ adjustable output (single models) // Comprehensive protection features

Target customer:

Industrial electronics // Automation systems // Embedded system designers // Test & measurement

Target applications examples:

Distributed power architectures // Industrial control systems // Telecom infrastructure // Measurement & instrumentation

Main features:

Up to 6W output power // Up to 1.5A output current // High efficiency with low ripple & noise // No minimum load // ON/OFF control & UVLO // Short-circuit, overcurrent & overvoltage protection // Wide operating temperature range up to +105°C

Global sales release date:

17th June 2026

Web release date:

6th May 2026

Available from sample stock:

Yes

REC6K-RW



The REC6K-RW series is a high power density 6W DC/DC converter family with isolated outputs and a wide 4:1 input voltage range, designed for robust industrial applications. Housed in a compact industry-standard DIP24 package, these converters deliver reliable performance even in space-constrained designs. With input ranges of 9–36VDC or 18–75VDC and output currents up to 1.5A, the series ensures flexible integration across a wide variety of systems.

Engineered for durability and safety, the REC6K-RW offers high efficiency, no minimum load requirement, and tight regulation with low ripple and noise characteristics. A key advantage is its reinforced 4000VDC isolation, providing enhanced protection for sensitive applications. The converters include integrated protection features such as continuous short-circuit protection, overcurrent protection, and overvoltage protection with automatic recovery, ensuring stable operation under fault conditions.

Designed for harsh environments, the series operates over a wide temperature range from -40°C up to +105°C (with derating) and meets IEC/EN/UL 62368-1 safety standards. Its robust construction, combined with high isolation and reliable performance, makes the REC6K-RW an excellent choice for demanding industrial and high-reliability applications.

Unique selling proposition:

4:1 wide input voltage range (9–36V / 18–75V) // 4000VDC reinforced isolation // 6W in compact DIP24 package // No minimum load // Comprehensive protection features
Industrial electronics // Automation systems // Embedded system designers // Test & measurement

Target customer:**Target applications examples:**

Industrial automation systems // Measurement & instrumentation // Power distribution systems // Safety-critical isolation applications

Main features:

Up to 6W output power // Up to 1.5A output current // High efficiency with low ripple & noise // 4000VDC isolation // No minimum load // Short-circuit, overcurrent & overvoltage protection // Wide operating temperature range up to +105°C

Global sales release date:

17th June 2026

Web release date:

6th May 2026

Available from sample stock:

Yes

REFIN2U-S30



With an output power of 30 watts, this power supply represents the entry level model within the 2U (36 mm) wide REFIN step shape DIN rail AC/DC power supplies for “flat-panel” distribution boards, as commonly used in building automation. The same module 36mm width of 2U units can now cover power requirements from 30 W to 90 W, or up to 135 W of boost power for 5 seconds.

Simple electrical connections for solid or stranded wires can be made using spring loaded push in terminals—without the need for ferrules or tools. Thanks to the rear mounting flaps, the modules can also be installed on a mounting plate in any orientation, even without a DIN rail. Any installation orientation as well as side by side mounting of multiple modules is supported.

Unique selling proposition:

same module size from 30 up to 90 watts output power // fast and toolless wiring // extended input range for worldwide use with 80 to 305VAC // full 30W load power from -40° to 55°C // use in any orientation and side-by-side mounted // integrated rear mounting flaps for direct back-panel fixation.

Target customer:

building automation flat panels // tiny energy management control panels // household standard related applications

Target applications examples:

Din-Rail mounting structure // back panel mounted installations // house installation panels // flat panel distribution boards // control units

Main features:

spring loaded push-in terminals // dual output wiring // full load rating from -40° to 55°C with extended wide input for 100-277 nominal input lines // up to 90% efficiency // no load power consumption < 100mW // OVC III over voltage category three up to 3000m altitude // worldwide safety certified operation up to 5000m altitude

Global sales release date:

17th June 2026

Web release date:

6th May 2026

Available from sample stock:

REFIN2U-S30/12, REFIN2U-S30/24