

## New at RECOM



### Make 5 out of 3: Cost-efficient 5 W Board Mount AC/DCs from RECOM



**Same footprint with more power: while RECOM's RAC05E-K series is compatible with existing 3 W devices, the RAC05E-KT series is ideal for replacing EI30 transformers with additional rectification and smoothing circuitry with a single high-efficiency module. Both series achieve 5 W in the same footprint as other 3 W devices on the market. The input range for each is 90-264 VAC (130-370 VDC). The series is available with outputs of 4, 5, 12, 15, and 24 V. These are semi-regulated but remain within +/-5 % for mains, load and temperature variations from -25 °C to +55 °C (+75 °C with derating). Applications include industrial and building automation, ITE, office, domestic, IoT, test and measurement applications where a semi-regulated output is sufficient.**

The power consumption at no load is less than 100 mW. However, the efficiency at low load is so high that considerable standby power can be absorbed. No ErP limits (ErP = energy-related products) are exceeded in the process.

The RAC05E-KT product series meets the EMC limits according to EN 55014 and EN 55032 (class B) without external components, while the RAC05E-K only requires a simple external filter. In addition, the components have comprehensive protection against short circuits, output overvoltage, overcurrent and overtemperature with automatic recovery. Both series have UL/IEC/EN 62368-1 safety certification for IT/multimedia and IEC/EN 60335-1 for domestic applications with reinforced 3 kVAC insulation.

Component reliability is high, with the -K series achieving an average operating life of more than 1.6 million hours and the -KT series more than 2.2 million hours (each at 25 °C).

## Applications:

- Worldwide industrial and building automation
- ITE
- Office, household and IoT applications
- Test and measurement applications, where a semi-regulated output is sufficient

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