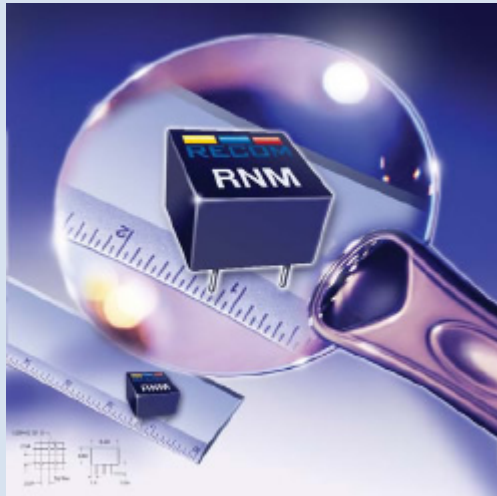


RNM - The smallest isolated DC/DC converter in the world!



The new RNM series from RECOM is the smallest isolated DC/DC converter on the market. RECOM has used its 30 year experience in designing and manufacturing converters to squeeze a fully specified 2000VDC isolated converter into a tiny package smaller than the tip of your finger.

The case size is an amazingly small 8.3 x 8.3 x 6.8 mm (approx. 0.33 x 0.33 x 0.27 inch) and the pins fit into a standard 0.1" grid. Despite the small size, the RNM converter does not skimp on its specifications: 1W of output power, input and output voltages available in any combination from 3.3V to 15VDC and 1kVDC or 2kVDC isolation. The ambient operating temperature covers the full industrial range of -40°C to +85°C without derating and operation up to 100°C ambient is possible. Conversion efficiency is up to 84% and output ripple/noise is a respectable 100mVp-p.

The extremely small physical size of the converter allows application designers either to reduce the size of their circuit boards or add extra features in the same sized PCB. RECOM has introduced this new converter range to meet customer demand and to help our customers compete in a crowded market where miniaturization is one of the key selling points for almost every electronic product.

The RNM converter is not only ideal for applications where board space is at a premium. It is a fully tested and guaranteed component and has the EN-60950-1 safety certification (UL-60601-1 pending) so it can be equally well used in time-constrained projects where the power supply must work first time every time or in safety critical applications.

Typical applications are isolated power supplies for industrial controllers, medical equipment and hand-held devices. The galvanically isolated output can be used to break earth loops, eliminate conducted electrical interference and protect expensive circuits from damaging external influences. The variety of input and output voltage combinations permits step up or step down operation (e.g. generating a 12V rail from a 3.3V supply) as well as generating negative rails (e.g. -5V from a +5V supply).

A full datasheet of this versatile micro-miniature converter can be downloaded from the [RECOM website](#)

Samples can be ordered on-line or by contacting any RECOM distributor or representative. RECOM also has direct sales offices in Europe, USA, Singapore and China.

Production quantities of the RNM converter are available now with RECOM's standard short lead time of 4-6 weeks.