

R1DX



Low cost, low profile, open-frame 1W SMD isolated DC/DC converters available with single (R1SX) or dual (R1DX) outputs. The R1SX is available with 3.3V or 5V inputs and offers a single unregulated 3.3V or 5V output. The R1DX operates from 5V and offers ± 5 , ± 9 , ± 12 or ± 15 dual outputs. There is no minimum load requirement and the quiescent consumption is less than 150mW. Standard isolation is 1kVDC/1s and a /H version with 3kVDC/1s is available. The operating temperature is from -40°C up to $+100^{\circ}\text{C}$ without derating. The pin-out is industry standard and compatible with the R1S/R1D series, but at half the height. The converters are fully certified to IEC/EN/UL62368 and IEC/EN/UL60950 and are 10/10 RoHS-conform. Class A EMC conformity requires only an input capacitor and a simple low cost LC filter is all that is needed for Class B EMC. Standard packaging is tape and reel.

Unique Selling Proposition: Isolated dual output from 5V input
 1 W in SMD package
 -40°C To $+100^{\circ}\text{C}$ Operating temperature @ full load
 High 3kVDC/1 second or 1kVDC/1 second isolation
 Lowest total cost of ownership
 IEC/EN/UL62368-1 certified, CB Report
 5000m operation

Target customer: Sensors
 Test & Measurement
 DACs
 Isolated operational amplifiers

Main Features: 1W unregulated DC/DC converter
 SMD package
 5VDC input voltage
 Output voltages: ± 5 , ± 9 , ± 12 & ± 15 VDC
 -40°C To $+100^{\circ}\text{C}$ Operating temperature @ full load
 High 3kVDC/1 second or 1kVDC/1 second isolation
 3 year warranty

Datasheets and additional information can be found on: www.recom-international.com