

R1DX extension



With this product extension, tray packaging is now available in addition to the standard tape and reel packaging. Low cost, low profile, open-frame 1W SMD isolated DC/DC converters available with dual outputs. 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 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.

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 // 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 & $\pm 15\text{VDC}$ // -40°C To $+100^{\circ}\text{C}$ Operating temperature @ full load // High 3kVDC/1 second or 1kVDC/1 second isolation // 3 year warranty

Web release date: January 15, 2019

Available from sample stock: R1DX-0505-Tray; R1DX-0505/H-Tray; R1DX-0509-Tray; R1DX-0509/H-Tray; R1DX-0512-Tray; R1DX-0512/H-Tray; R1DX-0515-Tray; R1DX-0515/H-Tray

R-REF03-CAN1



The R-REF03-CAN1 reference board demonstrates the ISO1042 isolated CAN transceiver from Texas Instruments supplied by the R1SX-3.305/H isolated DC/DC converter. To supply the reference board, only one 3.3V external supply is required.

Unique selling proposition: The reference board allows designers to quickly develop and analyze isolated systems.

Target customer: AC and Servo Drives, Solar Inverters, PLC and DCS Communication Modules, Elevators and Escalators, Industrial Power Supplies, Battery Charging and Management

Main features: Complete isolation CAN bus solution // Contains TI's new galvanically-isolated CAN transceiver ISO1042 // Contains R1SX-3.305/H with 3kVDC isolation // Up to 5Mbit data rate in CAN FD mode // Input and output test points // Meets ISO11898-2 (2016) standard

Web release date: November 5, 2018

Available from sample stock: R-REF03-CAN1