

RAC150-G



The RAC150-G series are cost-efficient 150 watt AC/DC power supplies in a standard 2"x4" footprint with a universal input range of 90-264VAC for worldwide usage. They are built to deliver up to 125 watts with natural air convection for use in tight, space-critical housings with minimal airflow. The converters are available as open frame versions or in an enclosure with enhanced thermal performance over the entire temperature range of -30°C to +70°C. Matching connector sets are available. UL and EC marks with CB-reports include the new 62368 safety standard as well as the 60950 safety standard. The RAC150-G series offers tightly regulated 12V, 24V and 48VDC outputs with 3kVAC isolation and Class B EMC certifications and come with a three year warranty.

Unique selling proposition:	output power up to 150W @ airflow // 120W @natural air // active PFC // high power density // operating temperature range -30°C to +70°C (derating) // open frame and enclosed versions available // optimized for natural air and low airflow cooling // UL/IEC/EN 62368 & 60950 CB-reports // matching connector sets available // 3 year warranty
Target customer:	measurement equipment // industrial automation terminals // tools // broadcast
Main features:	universal Input range (85-264VAC) // active PFC // output power up to 150W @ airflow // 120W @natural air // 2" x 4" standard footprint // high power density // operating temperature range -30°C to +70°C (derating) // open frame and enclosed versions available // protection: OVP, SCP continuous // optimized for natural air and low airflow cooling // UL/IEC/EN 62368 & 60950 CB-reports // operation altitude: 3000m // matching connector sets available // 3 year warranty
Web release date:	January 23rd, 2017
Available from sample stock:	RAC150-12SG/ENC; RAC150-12SG/OF; RAC150-24SG/ENC; RAC150-24SG/OF; RAC150-48SG/ENC; RAC150-48SG/OF

RTC2



The RTC2 is a 2W, open-frame, SMD, isolated DC/DC converter with 2:1 input voltage range. It is available with 5V (4.5-9V) or 24V (18-36V) inputs and offers a single 5V output which is short circuit protected. The output is tightly regulated with less than 50mV output ripple. There is no minimum load requirement. The operating temperature is from -40°C up to 100°C (with derating). Isolation is optionally 1kVDC or 3kVDC (basic isolation), and a control pin is fitted as standard. The 15mm x 14mm footprint is compatible with the Murata MTC2. The converter is IEC/EN60950 certified and 10/10 RoHS-conform. Class B EMC conformity can be reached with a simple external LC filter. Warranty is 3 years.

Unique selling proposition:	low cost regulated 2:1 input SMD DC/DC converter // 3kVDC isolation // wide operating temperature -40°C up to +85°C (no derating) // available in tubes or tape-and-reel for mass production // 3 year warranty
Target customer:	General purpose // on-board power supplies // Test & Measurement applications // high volume SMD-only designs // Regulated DC/DC power supplies // Demanding industrial applications
Main features:	low cost regulated 2:1 input SMD DC/DC converter // 2W // 3kVDC isolation // wide operating temperature -40°C up to +85°C without derating // 3 year warranty
Web release date:	January 23rd, 2017
Available from sample stock:	RTC2-0505SRW; RTC2-0505SRW-R; RTC2-2405SRW; RTC2-2405SRW-R

R-78S



The R-78S is a DC/DC boost converter designed to run from single cell batteries. The input voltage range of 0.65V-3.15V means that alkaline, NiCd, NiMH, Zinc-carbon or Lithium chemistry cells can be used to generate a stable 3.3V output to power microprocessors, WLAN/Bluetooth modules and IoT systems. The very high efficiency and low standby consumption can be used to extend battery lifetimes until the „last gasp“ to get the maximum available energy out of the cell. The wide operating temperature of -40°C to +100°C, short circuit protection, OTP, Class A EMC and 3-year warranty round off this high performance converter.

Unique selling proposition:	Boost converter // Efficiency 93% , >80% with 10% load // Input range down to 0.65V // Continuous short circuit protection // 7µA input current in standby // -40°C to +100°C operation
Target customer:	Single cell battery powered systems // IoT sensors and transmitters // Remote monitoring and data-logging applications // Planned maintenance systems
Main features:	Boost converter // Efficiency 93% , >80% with 10% load // Input range down to 0.65V // Continuous short circuit protection // 7µA input current in standby // -40°C to +100°C operation // 3 year warranty
Web release date:	January 16 th , 2017
Available from sample stock:	R-78S3.3-0.1;