

RAC02E-K/277



The cost-efficient RAC02E-K/277 AC/DC converter series with extended input range of nominal 100VAC to an enhanced 277VAC, delivering an uncompromising 2 watts of output power with tightly regulated outputs from 3.3V to 24VDC. These low profile, encapsulated print-mountable modules in an industry-standard pinout deliver full output power from -40°C to +80°C and are certified for operation up to +90°C still air ambient with output power reduced to 1.2W. This series of AC/DC modules holds international safety certifications for industrial, domestic and ITE, use with 4kVAC input to output isolation, making it suitable for worldwide applications in automation control, industry 4.0, IoT. Due to their LPS (Limited Power Source) and reinforced class II installation rating for floating outputs and their significantly wide margin to class B EMC compliance without external components, these are the easiest to use, versatile power modules in the industry.

Unique selling proposition:	The combination of compact size with outstanding performance under wide operating conditions at its attractive economy cost is key // 85 to 305VAC input voltage range // Operating temperature: -40°C to +90°C // Low profile of 15.4mm // EMC compliance EN55032 class "B" without external filters with floating outputs
Target customer:	Industrial automation // Industry 4.0 // domestic automation // measurement equipment
Main features:	85 to 305VAC input voltage range // 4kVAC dielectric isolation prim/sec. // Full load output power from -40°C up to 80°C // 1.2W power up to 90°C // Low profile of 15.4mm
Web release date:	12-Jan-21
Global Sales release date:	12-Jan-21
Available from sample stock:	RAC02E-3.3SK/277; RAC02E-05SK/277; RAC02E-12SK/277

RAC03E-K/277



The cost-efficient RAC03E-K/277 AC/DC converter series has an input range of nominal 100VAC to an enhanced 277VAC, delivering an uncompromising 3 watts of output power with tightly regulated outputs from 3.3V to 24VDC. These low profile, encapsulated print-mountable modules in an industry-standard pinout deliver full output power from -40°C to +75°C and are certified for operation up to +85°C still air ambient with output power reduced to 1.8W. This series of AC/DC modules holds international safety certifications for industrial, domestic, ITE, and household use. With 4kVAC input to output isolation, they are suitable for worldwide applications in automation control, industry 4.0, IoT and household. Due to their LPS (Limited Power Source) and reinforced class II installation rating for floating outputs and their significantly wide margin to class B EMC compliance without external components, these are the easiest to use, versatile power modules in the industry.

Unique selling proposition:	The combination of compact size with outstanding performance under wide operating conditions at its attractive economy cost is key // 85 to 305VAC input voltage range // Operating temperature: -40°C to +85°C // Full load output power up to 80°C // Low profile of 15.4mm // EMC compliance EN55032 class "B" without external filters with floating outputs // for higher power needs: shape and pin compatible to the 4Watt Series RAC04-G
Target customer:	Industrial automation // Industry 4.0 // domestic automation // household appliances // measurement equipment
Main features:	85 to 305VAC input voltage range // 4kVAC dielectric isolation prim/sec. // Full load output power from -40°C up to 75°C // 1.2W power up to 85°C // Low profile of 15.4mm // household certifications
Web release date:	12-Jan-21
Global Sales release date:	12-Jan-21
Available from sample stock:	RAC03E-3.3SK/277; RAC03E-12SK/277; RAC03E-15SK/277; RAC03E-24SK/277

RSE-Z/H2



The RSE is a low-cost isolated, regulated, and short-circuit protected 2W DC/DC converter designed for industrial applications. This new 4:1 input series extension comes in a compact SIP8 case size with 2kVDC isolation and a wide operating temperature range of -40°C to +75°C without derating making the RSE-Z series ideal for industrial, transport, and general-purpose on-board 5V power supplies. Industrial class A EMC levels can be met with a simple pi-filter, and the converters come with a three year warranty.

Unique selling proposition:	Wide 4:1 input range // low cost // 62368-1 certified
Target customer:	Battery operated, distributed power, communication, instrumentation, and industrial applications
Main features:	4:1 input // 2kV isolation // enable pin // regulated output // continuous, short-circuit protection // industrial temperature range // UL/EN/IEC 62368-1 approved // compact design // industry-standard SIP8 pinout
Web release date:	03-Dec-20
Global Sales release date:	13-Jan-21
Available from sample stock:	RSE-1205SZ/H2, RSE-2405SZ/H2

RSOE-Z/H2



The RSOE is a low-cost isolated, regulated, and short-circuit protected 1W DC/DC converter designed for industrial applications. This new 4:1 input series extension comes in a compact SIP8 case size with 2kVDC isolation and a wide operating temperature range of -40°C to +80°C without derating making the RSOE-Z series ideal for industrial, transport, and general-purpose on-board 5V power supplies. Industrial Class A EMC levels can be met with a simple pi-filter, and the converters come with a three year warranty..

Unique selling proposition:	Wide 4:1 input range // low cost // 62368-1 certified
Target customer:	Battery operated, distributed power, communication, instrumentation, and industrial applications
Main features:	4:1 input // 2kV isolation // enable pin // regulated output // continuous, short-circuit protection // industrial temperature range // UL/EN/IEC 62368-1 approved // compact design // industry-standard SIP8 pinout
Web release date:	03-Dec-20
Global Sales release date:	13-Jan-21
Available from sample stock:	RSOE-1205SZ/H2, RSOE-2405SZ/H2