Feature Regulated Converter	 Operating Temperature Range of -25°C to +85°C Isolated Output 3kVAC / 1 min Short Circuit and Overcurrent Protection 		
Description The new RAC04-SC modules are available with output voltages of 3.3, 5, 9, 12, 15			
	24V, and the input-to-output isolation is approximately 3kVAC/1min. With a standby consumption of typical 100mW, the mini power supplies are particularly suitable for		

24V, and the input-to-output isolation is approximately 3kVAC/1min. With a standby consumption of typical 100mW, the mini power supplies are particularly suitable for energy-saving sleep mode and standby applications. Because of its compact design (height <17 mm), it is a versatile solution for home automation and other similar applications. Complete with an integrated input filter, the series has enhanced EMI performance and complies with EN55022, class B. The mini power supplies are also protected against short circuit with fully automatic restart after the error has been solved. The converters are EN/UL60950-1 certified and come complete with a 3 year warranty.

Selection Guide					
Part	Input	Output	Output	Efficiency	Max.
Number	Voltage	Voltage	Current max.	Тур.	Capacitive
	(VAC)	(VDC)	(mA)	(%)	Load (1+2)
RAC04-3.3SC	80-264	3.3	1200	67	5600µF
RAC04-05SC	80-264	5	800	72	2000µF
RAC04-09SC	80-264	9	444	76	1500µF
RAC04-12SC	80-264	12	333	74	560µF
RAC04-15SC	80-264	15	267	77	470µF
RAC04-24SC	80-264	24	167	77	150µF

pecifications (measured at TA	25°C, nominal input voltage, full lo	ad after warm-up)
Input Voltage Range (with Derating	80-264VAC or 115-370VDC	
Input Frequency (for AC Input)		47-63Hz
Input Current (Full Load)	115VAC / 230VAC	110mA / 72mA max.
Inrush Current	115VAC / 230VAC	30A / 60A max.
External Input Fuse Required	Recommended Value	1A - 1.5A / Slow Blow Type
No Load Power Consumption	80-264VAC	100mW typ. / 200mW max.
Output Voltage (Vout nom.)		3.3V-24V
Output Current Range		167mA - 1200mA
Output Voltage Tolerance		$\pm 2\%$ typ. / $\pm 5\%$ max.
Minimum Load		10% min.
Output Ripple & Noise ⁽³⁾ (Ful	I Load)115VAC / 230VAC @ 20MHz lim	nited 200mVp-p max.
Line Voltage Regulation	LL-HL at full Load	$\pm 0.5\%$ typ. / $\pm 1\%$ max.
Load Voltage Regulation	10%-100% Load	$\pm 1.5\%$ typ. / $\pm 5\%$ max.
Overcurrent Llmit		105% - 155%
Switching Frequency	at Full Load	40kHz typ.
Isolation Voltage	Input-Output	3kVAC / 1 minute
Leakage Current		0.85mA max.
Isolation Resistance	Input-Output	$1G\Omega$ min
Isolation Capacitance	Input-Output	1000pF typ.
Short Circuit Protection		Hiccup, Auto Restart
Over Voltage Category		OVC II
Operating Temperature Range ⁽⁴⁾	natural convection, without derating	-20°C to +60°C
	natural air convection, with derating	-25°C to +85°C
Storage Temperature Range		-40°C to +100°C
Case Material		UL94V-0 black plastic
Potting Material		Silicone
Relative Humidity		95% RH max.
Package Weight		39g typ.
Package Quantity		12 pcs



AC/DC-Converter with 3 year Warranty



4 Watt Single Output



E224736

IEC-60950-1 certified UL-60950-1 certified



Derating-Graph

(Ambient Temperature)



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POWERLINE AC/DC-Converter

RACO4-xxC Series



Package Style and Pinning



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