


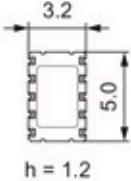
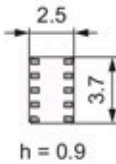
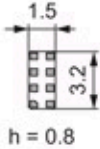


## RTC Modules in Ceramic Packages

Product Type	RV-xxxx-C2	RV-xxxx-C3	RV-xxxx-C7
Dimensions (l x w x h) mm	5.0 x 3.2 x 1.2	3.7 x 2.5 x 0.9	3.2 x 1.5 x 0.8
			
			
Lid Material	Glass	Metal	Metal

### I<sup>2</sup>C-Bus Interface

Product Type	Main Feature	Bus	Time Accuracy	Supply V <sub>CC</sub> V	Current I <sub>CC</sub> nA	T <sub>OP</sub> °C	Offset Comp.	Temp. Comp.	Backup Switch	Trickle Charge	Event Input	RAM Bytes	EEPROM Bytes
RV-4162-C7	Standard	I <sup>2</sup> C	±20 ppm @ 25°C	1.0 to 4.4	350	-40 to +85	3						
RV-8564-C2	Standard	I <sup>2</sup> C	±20 ppm @ 25°C	1.2 to 5.5	250	-40 to +85							
RV-8564-C3	Standard	I <sup>2</sup> C	±20 ppm @ 25°C	1.2 to 5.5	250	-40 to +85							
RV-2251-C3	Power Management	I <sup>2</sup> C	±20 ppm @ 25°C	0.9 to 5.5	210	-40 to +85	3		3	3		1	
RV-8523-C3	Ultra Low Power	I <sup>2</sup> C	±20 ppm @ 25°C	1.2 to 5.5	130	-40 to +85	3		3				
RV-1805-C3	X-Treme Low Power	I <sup>2</sup> C	±2 ppm @ 25°C Factory calibrated	1.5 to 3.6	60	-40 to +85	3		3	3	3	256	
RV-3029-C2	Temperature Comp.	I <sup>2</sup> C	A ±6 ppm @ -40°C to +85°C B ±25 ppm @ -40°C to +85°C	1.3 to 5.5	800	-40 to +125		3	3	3		8	2
RV-3029-C3	Temperature Comp.	I <sup>2</sup> C	A ±6 ppm @ -40°C to +85°C B ±25 ppm @ -40°C to +85°C	1.3 to 5.5	800	-40 to +125		3	3	3		8	2
RV-8803-C7	Temperature Comp.	I <sup>2</sup> C	±3 ppm @ -40°C to +85°C	1.5 to 5.5	240	-40 to +85	3	3			3	1	

### SPI-Bus Interface

RV-8063-C7	Standard	SPI	±20 ppm @ 25°C	0.9 to 5.5	190	-40 to +85	3					1	
RV-2123-C2	Ultra Low Power	SPI	±20 ppm @ 25°C	1.1 to 5.5	130	-40 to +85	3						
RV-3049-C2	Temperature Comp.	SPI	A ±6 ppm @ -40°C to +85°C B ±25 ppm @ -40°C to +85°C	1.3 to 5.5	800	-40 to +125		3	3	3		8	2
RV-3049-C3	Temperature Comp.	SPI	A ±6 ppm @ -40°C to +85°C B ±25 ppm @ -40°C to +85°C	1.3 to 5.5	800	-40 to +125		3	3	3		8	2

### Applications

System power management can be greatly enhanced using Micro Crystals high precision, low power RTC modules:

- IoT
- POS, SPS Control
- Metering, Smart Meter
- Battery Management System
- Automotive, GPS and Drive Recorder
- Industrial, Computing, Embedded Systems
- Wearables, Activity Bands, Sports Monitors
- Health Care, Glucose Meters, Drug Dispensers
- IP Cameras, Alarm and Building Control, Telemetry

### Ordering Information

<p><b>RV - 3029 - C3 Option A TA QC</b></p> <p><b>RTC module</b></p> <p><b>Product type</b></p> <p><b>Package size</b> C2 = 5.0 x 3.2 x 1.2 mm C3 = 3.7 x 2.5 x 0.9 mm C7 = 3.2 x 1.5 x 0.8 mm</p> <p><b>Time accuracy</b> Option A = ±6 ppm @ -40°C to +85°C Option B = ±25 ppm @ -40°C to +85°C</p>	<p><b>Qualification</b> QC = Commercial Grade (Standard) QA = Automotive Grade AEC-Q200</p> <p><b>Temperature range</b> TA = -40 to +85°C (Standard) TB = -40 to +125°C</p>
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Linux Drivers available 

