
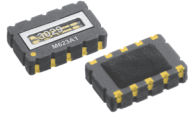


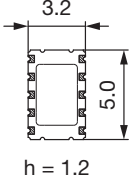
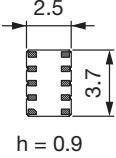
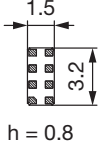


## RTC Modules in Ceramic Packages

Product Type	<b>RV-xxxx-C2</b>	<b>RV-xxxx-C3</b>	<b>RV-xxxx-C7</b>
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	Time Accuracy @ 25°C	Temp. Comp. -40°C to 85°C	Supply V <sub>DD</sub> V	Current I <sub>DD</sub> nA	T <sub>OP</sub> °C	Offset Comp.	Backup Switch	Trickle Charge	Event Input	RAM Bytes	EEPROM Bytes
<b>RV-3028-C7</b>	Lowest Power	±1 ppm		1.1 to 5.5	45	-40 to +85	✓	✓	✓	✓	2	43
<b>RV-4162-C7</b>	Smallest Package	±20 ppm		1.0 to 4.4	350	-40 to +85	✓					
<b>RV-8263-C7</b>	Low Power	±20 ppm		0.9 to 5.5	190	-40 to +85	✓				1	
<b>RV-8564-C2</b>		±20 ppm		1.2 to 5.5	250	-40 to +85						
<b>RV-8564-C3</b>	Small Package	±20 ppm		1.2 to 5.5	250	-40 to +85						
<b>RV-8523-C3</b>	Low Power	±20 ppm		1.2 to 5.5	130	-40 to +85	✓	✓				
<b>RV-3129-C3</b>	Highest Precision		Opt. A: ±6 ppm Opt. B: ±25 ppm	1.3 to 5.5	800	-40 to +125		✓	✓		8	2
<b>RV-8803-C7</b>	Highest Precision		±3 ppm	1.5 to 5.5	240	-40 to +105	✓			✓	1	
<b>RV-3032-C7</b>	Highest Precision		±3 ppm	1.1 to 5.5	160	-40 to +85	✓	✓	✓	✓	16	32

### SPI-Bus Interface

Product Type	Main Feature	Time Accuracy @ 25°C	Temp. Comp. -40°C to 85°C	Supply V <sub>DD</sub> V	Current I <sub>DD</sub> nA	T <sub>OP</sub> °C	Offset Comp.	Backup Switch	Trickle Charge	Event Input	RAM Bytes	EEPROM Bytes
<b>RV-8063-C7</b>	Low Power	±20 ppm		0.9 to 5.5	190	-40 to +85	✓				1	
<b>RV-2123-C2</b>	Low Power	±20 ppm		1.1 to 5.5	130	-40 to +85	✓					
<b>RV-3149-C3</b>	Highest Precision		Opt. A: ±6 ppm Opt. B: ±25 ppm	1.3 to 5.5	800	-40 to +125		✓	✓		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 - 3129 - C3 Option A TA QC</b></p> <p>RTC module</p> <p>Product type</p> <p>Package size  <b>C2</b> = 5.0 x 3.2 x 1.2 mm  <b>C3</b> = 3.7 x 2.5 x 0.9 mm  <b>C7</b> = 3.2 x 1.5 x 0.8 mm</p> <p>Time accuracy  <b>Option A</b> = ±6 ppm @ -40°C to +85°C  <b>Option B</b> = ±25 ppm @ -40°C to +85°C</p>	<p>Qualification  <b>QC</b> = Commercial Grade (Standard)  <b>QA</b> = Automotive Grade AEC-Q200</p> <p>Temperature range  <b>TA</b> = -40 to +85°C (Standard)  <b>TB</b> = -40 to +125°C</p>
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Linux Drivers available

