

ELECTRICAL CHARACTERISTICS AT 25°C

More detailed information can be found in the Application Manual.

	Symbol	Condition	Min.	Typ.	Max	Unit
Supply voltage	V_{DD}	I ² C-bus active	1.3		4.4	V
Supply voltage	V_{DD}	Time keeping	1.0		4.4	V
Current consumption Time keeping mode	I_{DDO}	I ² C-bus inactive, $V_{DD} = 3\text{ V}$		350	500	nA
CLKOUT frequency	F_{CLKOUT}	Programmable	32768 to 1			Hz
Frequency tolerance	$\Delta F/F$	@ 25°C	±20 ¹⁾			ppm
Aging first year max.	$\Delta F/F$	@ 25°C	±3			ppm

1) Tighter frequency tolerances on request.

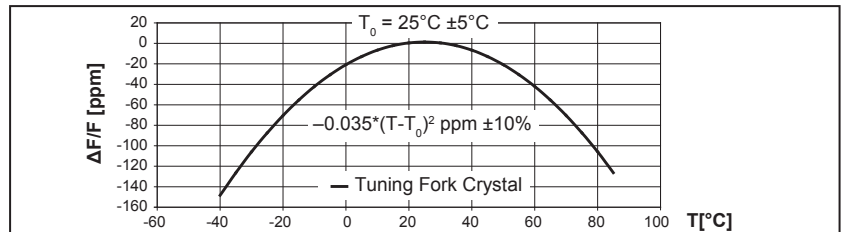
ENVIRONMENTAL CHARACTERISTICS

	Conditions	Max. Dev.
Storage temp. range	-55 to +125°C	
TA Operating temperature range	-40 to +85°C	
Shock resistance	$\Delta F/F$ 5000 g, 0.3 ms, 1/2 sine	±5 ppm
Vibration resistance	$\Delta F/F$ 20 g / 10–2000 Hz	±5 ppm

TERMINATIONS AND PROCESSING

Package	Termination	Processing
SON-8	Au flashed pads	IPC/JEDEC J-STD-020C 260°C / 20 - 40 s

FREQUENCY TEMPERATURE CHARACTERISTICS



PIN CONNECTIONS TOP VIEW

Product Date Code

#8 #5

M035A1

4162

#1 #4

Part Designation

Pin 1 Index

Pin	Connection
1	SDA Serial Data
2	CLKOUT Clock Output
3	V_{SS} Ground
4	NC Not connected
5	V_{DD} Power Supply Voltage
6	INT Interrupt Output
7	NC Not connected
8	SCL Serial Clock Input

ORDERING INFORMATION

RV - 4162 - C7 TA QC

RTC module

Product type

Package size
C7 = 3.2 x 1.5 x 0.8 mm

Qualification
QC = Commercial Grade (Standard)
QA = Automotive Grade AEC-Q200

Temperature range
TA = -40 to +85°C (Standard)

A unique part number will be generated for each product specification, i.e:	
20xxxx-MG01	1'000 pcs (in 12 mm tape on 7" reel)
20xxxx-MG03	3'000 pcs (in 12 mm tape on 7" reel)

All specifications subject to change without notice.



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