

ELECTRICAL CHARACTERISTICS AT 25°C

More detailed information can be found in the Application Manual.

ENVIRONMENTAL CHARACTERISTICS

TERMINATIONS AND PROCESSING

FREQUENCY TEMPERATURE CHARACTERISTICS

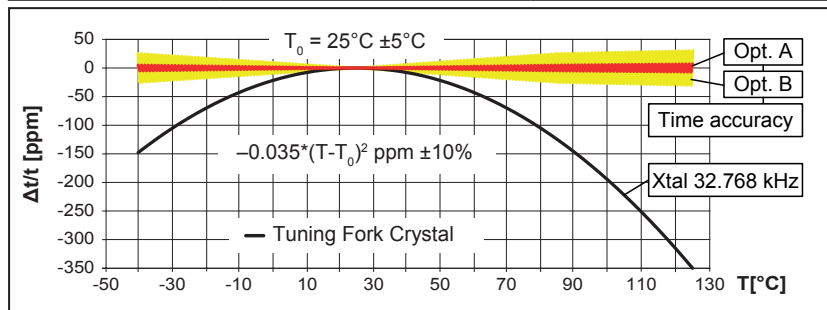
PIN CONNECTIONS TOP VIEW

ORDERING INFORMATION

	Symbol	Condition	Min.	Typ.	Max	Unit
Supply voltage	V _{DD}	Time keeping	1.3		5.5	V
Supply voltage	V _{DD}	Thermom. active	2.1		5.5	V
Current consumption Time keeping mode	I _{DDO}	I ² C-bus inactive, V _{DD} = 3 V		800	1000	nA
Time acc. Opt. A / B	Δt/t	-40 to +85°C	±6 / ±25			ppm
Aging first year max.	ΔF/F	@ 25°C	±3			ppm

	Conditions	Max. Dev.
Storage temp. range	-55 to +125°C	
TA Operating temperature range	-40 to +85°C	
TB Extended oper. temp. range	-40 to +125°C	
Shock resistance	ΔF/F 5000 g, 0.3 ms, ½ sine	±5 ppm
Vibration resistance	ΔF/F 20 g / 10–2000 Hz	±5 ppm

Package	Termination	Processing
SON-10	Au flashed pads	IPC/JEDEC J-STD-020C 260°C / 20 - 40 s



Pin	Connection
1	V _{DD} Power Supply Voltage
2	CLKOUT Clock Output
3	NC Not connected
4	SCL Serial Clock Input
5	SDA Serial Data
6	V _{SS} Ground
7	INT Interrupt Output
8	V _{BACKUP} Backup Supply Voltage
9	NC Not connected
10	CLKOE Clock Output Enable

RV - 3029 - C2 Option A TA QC
RTC module
Product type
Package size C2 = 5.0 x 3.2 x 1.2 mm
Time accuracy Option A = ±6 ppm @ -40°C to +85°C Option B = ±25 ppm @ -40°C to +85°C
Qualification QC = Commercial Grade (Standard) QA = Automotive Grade AEC-Q200
Temperature range TA = -40 to +85°C (Standard) TB = -40 to +125°C

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-PG05	5'000 pcs (in 12 mm tape on 13" reel)

All specifications subject to change without notice.



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