imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

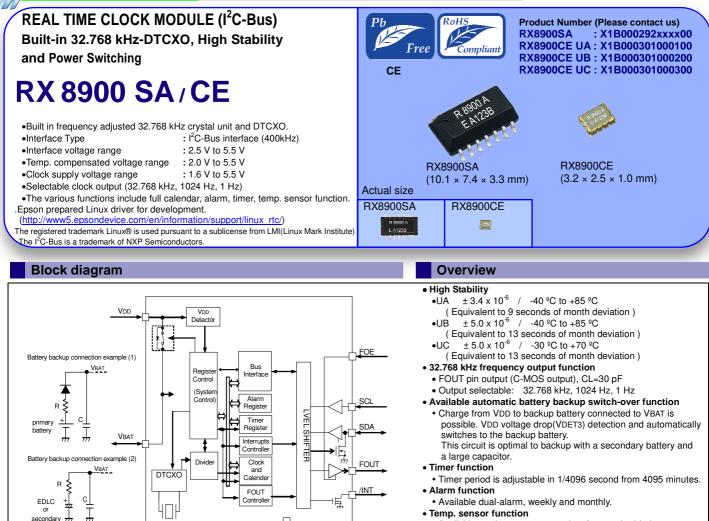
We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





GND

Pin Function

•econdar

battery

Real time clock module

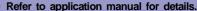
Signal Name	I/O	Function				
T1(CE)	input	Use by the manufacture for testing. (Do not connect externally.)				
SCL	input	Serial clock input pin.				
FOUT	Output	The pin outputs the reference clock signal. (CMOS output)				
VBAT	-	Battery supply. This pin has charge capability to backup battery.				
Vdd	-	Connected to a positive power supply				
FOE	input	The input pin for the FOUT output control.				
/ INT	Output	Interrupt output (N-ch. open drain).				
GND	-	Connected to a ground				
T2(VPP)	-	Use by the manufacture for testing. (Do not connect externally.)				
SDA	I/O	Data input and output pin.				

Specifications (characteristics)

Electrical Characteristics										
Item	Symb ol	Conditions		Min.	Тур.	Max.	Unit			
Operating voltage	VDD	Interface voltage		2.5	3.0	5.5	V			
Temp. compensated Voltage	compensated Voltage VTEM Temp. compensated voltage		roltage	2.0	3.0	5.5	V			
Clock supply voltage	VCLK	Internal clock		1.6	3.0	5.5	V			
Operating temperature	TOPR	No condensation		-40	+25	+85 ^{*1}	°C			
Stability	Δf/f	UA	Ta = -40 $^{\circ}$ C to +85 $^{\circ}$ C		±3.4 *2			× 10 ⁻⁶		
		UB	$Ta = -40 \ {}^{\circ}C \ to \ +85 \ {}^{\circ}C$ $Ta = -30 \ {}^{\circ}C \ to \ +70 \ {}^{\circ}C$		±5.0 ^{*3}					
		UC				10.0				
Current consumption (1)	loo1	fSCL=0Hz, /INT=VDD, FOE =GND VDD=VBAT FOUT: OFF Temp. Compensation interval 2.0 s.		Vdd = 5V	-	0.72	1.5	μA		
Current consumption (2)	IDD2			$V_{\text{DD}} = 3V$	-	0.70	1.4	μη		

*1) Please contact us about +85 °C < TOPR

*2) Equivalent to 9 seconds of month deviation. *3) Equivalent to 13 seconds of month deviation



RX8900CE

2022

(Unit:mm)

/INT

T2(VPP)

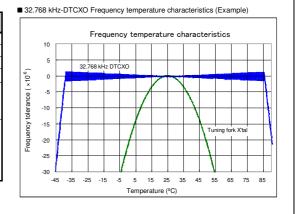
10

9 GND

8

7 SDA

] [š 6. T1(CE)



Available readout temperature data from embedded temp

FOE

VRAT

FOUT

1.

2. VDD

3

5 SCI

The metal case inside of the molding compound may be exposed on the top or bottom of this product. This purely cosmetic and does not have any effect on quality, reliability or electrical specs

sensor. (Bank.2 Add17h)

14. N.C.

13.

SDA

12. T2(VPP)

11. GND

10. / INT

9 N.C

8 N.C

Terminal connection / External dimensions

3.2±

RX8900SA

5.0

7.4±0 SOP - 14 pin

1. T1(CE) 27

2. SCL

З. FOUT

4. N.C.

5. VBAT

6 Vnn

7 FOF

* Refer to application manual for details.

SEIKO EPSON CORPORATION

PROMOTION OF ENVIRONMENTAL MANAGEMENT SYSTEM CONFORMING TO INTERNATIONAL STANDARDS

At Seiko Epson, all environmental initiatives operate under the Plan-Do-Check-Action (PDCA) cycle designed to achieve continuous improvements. The environmental management system (EMS) operates under the ISO 14001 environmental management standard.

All of our major manufacturing and non-manufacturing sites, in Japan and overseas, completed the acquisition of ISO 14001 certification.

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In order provide high quality and reliable products and services than meet customer needs,

Seiko Epson made early efforts towards obtaining ISO9000 series certification and has acquired ISO9001 for all business establishments in Japan and abroad. We have also acquired ISO/TS 16949 certification that is requested strongly by major automotive manufacturers as standard.

Explanation of the mark that are using it for the catalog

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ISO/TS16949 is the international standard that added the sector-specific supplemental requirements for automotive industry based on ISO9001.

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Compliant	Contains Pb in products exempted by EU RoHS directive. (Contains Pb in sealing glass, high melting temperature type solder or other.)
For Automotive	► Designed for automotive applications such as Car Multimedia, Body Electronics, Remote Keyless Entry etc.
Automotive Safety	Designed for automotive applications related to driving safety (Engine Control Unit, Air Bag, ESC etc).

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