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.

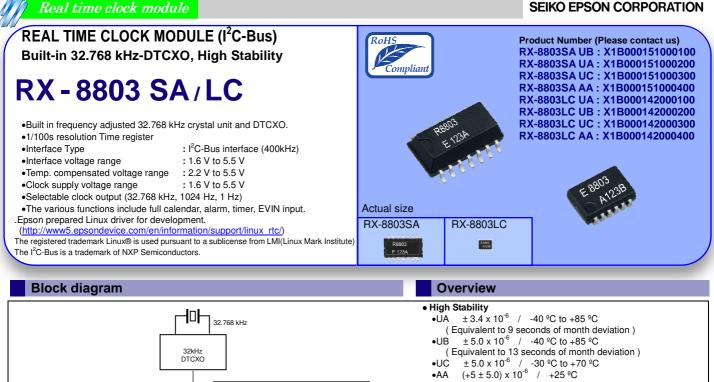
We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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





•AA

• High Resolution: 1/100s Time register with capture buffer

• 32.768 kHz frequency output function

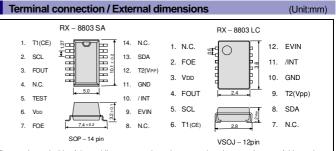
- FOUT pin output (C-MOS output), CL=30 pF
- Output selectable: 32.768 kHz, 1024 Hz, 1 Hz

The various interrupt

- Timer Function can be set between 1/ 4096 second and 4095 minutes.
- Alarm Function can be set to day of week, day, hour, or minute. EVIN input.
- Time synchronize function with 1PPS signal input

• Register compatibility: upper compatible with RX-8801.

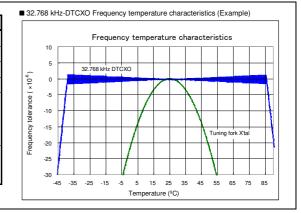
*It is possible to use it by the terminal connection as 32.768 kHz-DTCXO.

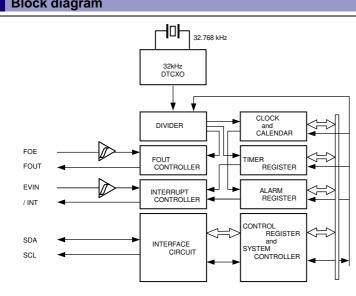


The metal case inside of the molding compound may be exposed on the top or bottom of this product. This purely cosmetic and does not have any effect on quality, reliability or electrical specs

*Stop using the glue Any glue must never use it after soldering LC-package to a circuit board.This product has glass on the back side of a package.When glue invasions between circuit board side and glass side, then glass cracks by thermal expansion of glue.In this case a crystal oscillation stops.Consider glue abolition or glue do not touch to LC-package

* Refer to application manual for details.





Pin Function

Signal Name	1/0	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)			
TEST	input	Use by the manufacture for testing. (Do not connect externally. RX-8803SA only.)			
Vdd	-	Connected to a positive power supply			
FOE	input	The input pin for the FOUT output control.			
EVIN	input	External event input.			
/ 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)

Item	Symbol	Conditions			Min.	Тур.	Max.	Unit	
Operating voltage	Vdd	Interface voltage			1.6	3.0	5.5	V	
Temp. compensated Voltage	VTEM	Temp. compensated voltage			2.2	3.0	5.5	V	
Clock supply voltage	VCLK	-			1.6	3.0	5.5	V	
Operating temperature	TOPR	-			-40	+25	+85	°C	
		UA	Ta = -40 °C to +85 °C		±3.4 *1			× 10 ⁻⁶	
Stability	Δf/f	UB	Ta = -40 °C to +85 °C		±5.0 *2				
Stability		UC	Ta = -30 $^{\circ}$ C to +70 $^{\circ}$ C						
		AA	A Ta = +25 °C		5 ±5.0 ^{*3}				
Current consumption (1)	loo1	IDD1 Backup Mode FOE = GND,		$V_{DD} = 5V$	-	0.75	3.4	۸	
Current consumption (2)	ldd2	/INT = V FOUT out	DD tput : OFF	Vdd = 3V	-	0.75	2.1	μA	

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

 \ast3) Equivalent to 13 seconds of month deviation. (excluding offset)

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.

WORKING FOR HIGH QUALITY

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

ISO 14000 is an international standard for environmental management that was established by the International Standards Organization in 1996 against the background of growing concern regarding global warming, destruction of the ozone layer, and global deforestation.

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

Pb Free	► Pb free.
RoHS	Complies with EU RoHS directive. *About the products without the Pb-free mark.
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).

Notice

- This material is subject to change without notice.
- Any part of this material may not be reproduced or duplicated in any form or any means without the written permission of Seiko Epson.
 The information about applied data, circuitry, software, usage, etc. written in this material is intended for reference only. Seiko Epson does not assume any liability for the occurrence of customer damage or infringing on any patent or copyright of a third party. This material does not authorize the licensing for any patent or intellectual copyrights.
- When exporting the products or technology described in this material, you should comply with the applicable export control laws and
 regulations and follow the procedures required by such laws and regulations.
- You are requested not to use the products (and any technical information furnished, if any) for the development and/or manufacture of
 weapon of mass destruction or for other military purposes. You are also requested that you would not make the products available to
 any third party who may use the products for such prohibited purposes.
- These products are intended for general use in electronic equipment. When using them in specific applications that require extremely high reliability, such as the applications stated below, you must obtain permission from Seiko Epson in advance.
 / Space equipment (artificial satellites, rockets, etc.) / Transportation vehicles and related (automobiles, aircraft, trains, vessels, etc.) / Medical instruments to sustain life / Submarine transmitters / Power stations and related / Fire work equipment
 - and security equipment / traffic control equipment / and others requiring equivalent reliability.
- All brands or product names mentioned herein are trademarks and/or registered trademarks of their respective.