

Frequency characteristics Symbol Conditions Rating Unit Item Ta = +25 °C requency Λf/f × 10⁻⁶ B: 5 ± 23 * tolerance VDD = 3.0 V Ta = +25 °C Oscillation **t**STA 3 Max. s start-up time VDD = 3.0 V

* Please ask for tighter tolerance. (Equivalent to ±1 minute of monthly deviation)

Real time clock module

					Ta = -40 °C to +85 °C			
Item	Symbol	Conditions		Min.	Тур.	Max.	Unit	
Current Consumption	Івк	CE0, CE1 = GND FOE = GND	VDD = 5 V	-	0.6	1.2	μA	
		FOUT ;output OFF (Hi - z)	VDD = 3 V	-	0.4	0.8		
	Ізак	CE0, CE1 = GND FOE = VDD	VDD = 5 V	-	8.0	20.0	μA	
		FOUT ; 32.768 kHz output ON CL = 30 pF	Itput ON VDD = 3 V	-	5.0	12.0		

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.				
	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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