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.

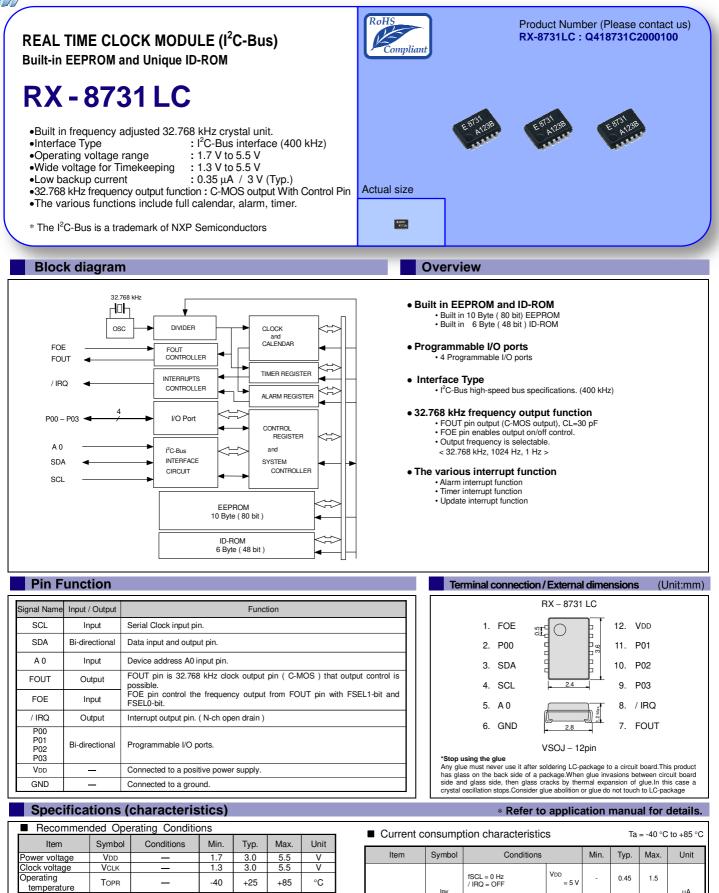
We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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Frequency characteristics

Real time clock module

| Item | Symbol | Conditions | Rating | Unit | | |
|------------------------|----------------|--------------------------------------|-------------|--------------------|--|--|
| Frequency tolerance | $\Delta f / f$ | Ta = +25 °C VDD = 3.0 V | B: 5 ± 23 * | × 10 ⁻⁶ | | |
| Oscillation | tor. | Ta = +25 °C VDD = 1.6 V | 1 Max. | S | | |
| Start-up time | İ STA | Ta = -40 °C to +85 °C VDD = 1.6 V | 3 Max. | s | | |
| *Equivalent to 1 m | inute of mon | thly deviation | | | | |

| Item | Symbol | Conditions | | Min. | Тур. | Max. | Unit |
|------------------------|--------|---|--------------|------|------|------|------|
| Current Consumption | Івк | fSCL = 0 Hz / IRQ = OFF | VDD = 5 V | - | 0.45 | 1.5 | μΑ |
| | | FOUT : output OFF (Hi - z) | VDD = 3 V | - | 0.35 | 1.4 | |
| | 132k | fSCL = 0 Hz / IRQ = OFF | VDD = 5 V | - | 8.0 | 16.0 | μΑ |
| | | FOUT : 32.768 kHz output CL = 30 pF | VDD = 3 V | - | 5.0 | 10.0 | |

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. |
| 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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