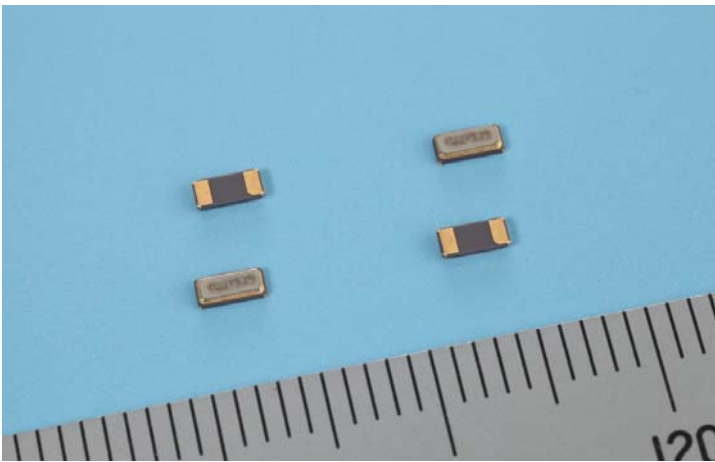


SC-32L (R1=40kΩ max.)



Features

- R1=40kΩ max.
- Ultra thin type (0.75mm)
- Suitable for high density surface mounting
- Excellent shock and heat resistance
- Complete Pb-free
- A crystal resonator processed by high reliable photolithographic technology inside.

Applications

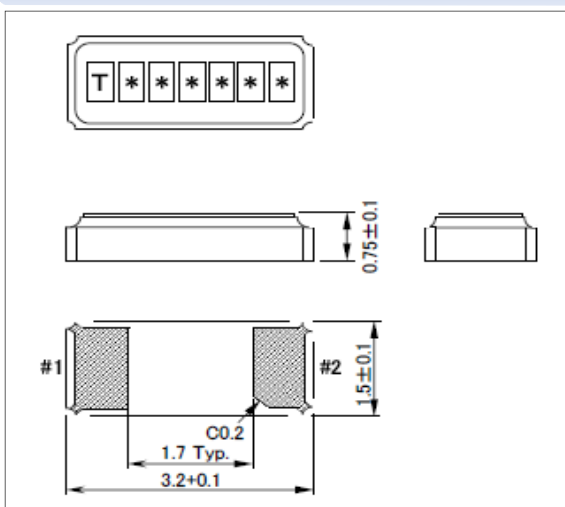
Module, Note PC, Tablet PC, Mobile Device, Sub-clock function for a variety of Micro-Controllers, Consumer electronics products for saving standby energy consumption.

Standard Specifications

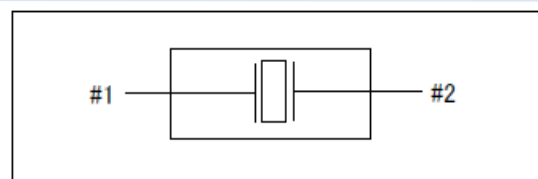
Conditions where not specified (Temp: 25±2°C, DL;0.1μW)

| Item | Symbol | Specifications | Conditions Note |
|---------------------------|---------------------|--|---------------------|
| Nominal Frequency | f_nom | 32.768kHz | |
| Frequency Tolerance | f_tol | ±20×10 ⁻⁶ | |
| Turnover Temperature | T _i | +25±5°C | |
| Parabolic Coefficient | β | (-0.033±10%)×10 ⁻⁶ /°C ² | |
| Load Capacitance | CL | 6pF~12.5pF | |
| Motional Resistance (ESR) | R1 | 40kΩ Max. | At -40 to +85 °C |
| Absolute Max. Drive Level | DI _{max} . | 1.0μW Max. | |
| Drive Level | DL | 0.1μW typ. | |
| Shunt Capacitance | C0 | 1.2pF typ. | |
| Frequency Ageing | f_age | ±3×10 ⁻⁶ | +25±3°C, First Year |
| Operating Temperature | T _{use} | -40~+85°C | |
| Storage Temperature | T _{stg} | -55~+125°C | Piece part basis |

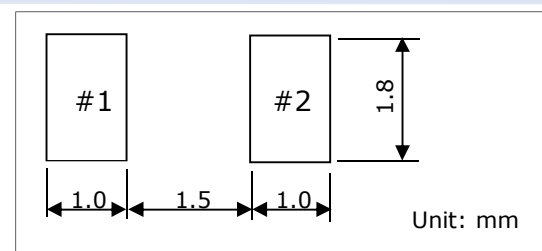
Dimensions



Internal Lead Connections



Recommended Soldering Pattern



Remark: Please make sure that there is no pattern under SC-32L on the circuit board.

Seiko Instruments Inc.

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