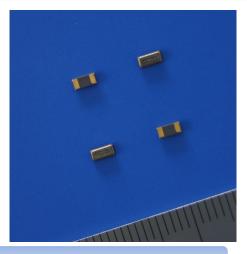


SC-32S



FEATURES

- Thin type with 0.85mm max.
- SMD type suitable for high density surface mounting.
- · Excellent shock and heat resistance.
- · Pb-free.
- · Complies with EU RoHS directive.
- A crystal resonator processed by high reliable photo-lithographic technology inside.

APPLICATIONS

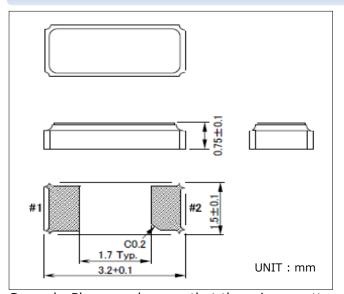
Mobile Phone, Wearable, Module, Sub-clock function for a variety of Microcomputer, etc.

STANDARD SPECIFICATIONS

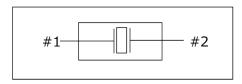
Conditions where not specified (Temperature: 25 ± 2 °C, DL:0.1 μ W)

| Item | Symbol | Spec | | Conditions / Note |
|------------------------------|----------------|-----------------------------------|--|---|
| | Syllibol | Specifications | | Conditions / Note |
| Nominal Frequency | f_nom | 32.768kHz | 38.4kHz | |
| Frequency Tolerance | f_tol | ±5×10 ⁻⁶ , ±10 | $\times 10^{-6}$, $\pm 20 \times 10^{-6}$ | ※Please contact us for inquiries regarding available tolerance. |
| Turnover Temperature | Ti | +25±5℃ | | |
| Parabolic Coefficient | В | (-0.030±10%)×10 ⁻⁶ /℃² | | |
| Load Capacitance | C _L | 6.0pF, 7.0pF, 9.0pF, 12.5pF | | ※Please contact us for inquiries regarding available CL. |
| Motional Resistance (ESR) | R_1 | 70kΩ max. | | |
| Absolute Maximum Drive Level | DLmax. | 1.0μW max. | | |
| Level of Drive | DL | 0.1μW typ. | | |
| Shunt Capacitance | C ₀ | 1.0pF typ. | | |
| Frequency Ageing | f_age | ±3×10 ⁻⁶ | | +25±3℃, First Year |
| Operating Temperature | T_use | -40∼+85℃ | | |
| Storage Temperature | T_stg | -55∼+125℃ | | Piece part basis |

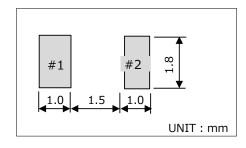
DIMENSIONS



INTERNAL LEAD CONNECTIONS



RECOMMENDED SOLDERING PATTERN



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