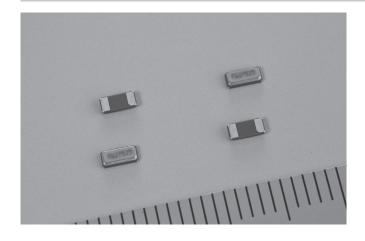


SC-32S NEW



FEATURES

- Ultra thin type with height 0.75mm.
- SMD type suitable for automatic & high density surface mounting.
- Ceramic package containing highly reliable photolithographic processed quartz crystal.
- Excellent shock and heat resistance.
- · Complete Pb-free.

APPLICATIONS

Smartphones, Cellular Phones, PHS, Tablet PC, DVC, Radio Communication Equipment, Portable Applications etc.

STANDARD SPECIFICATIONS

Conditions without notice (Temperature: +25±2°C, DL: 0.1µW)

| Item | Symbol | Specifications | Conditions / Notes |
|------------------------------|----------------|--|--------------------------------|
| Nominal Frequency | f_nom | 32.768kHz | |
| Frequency Tolerance | f_tol | ±20 x 10 ⁻⁶ | |
| Turnover Temperature | Ti | +25±5°C | |
| Parabolic Coefficient | В | (-3.0±1.0) x 10 ⁻⁸ /°C ² | |
| Load Capacitance | CL | 7.0pF / 9.0pF / 12.5pF | |
| Motional Resistance (ESR) | R ₁ | 70kΩ max. | |
| Absolute Maximum Drive Level | DLmax | 0.5μW | "0.1μW max." is also available |
| Level of Drive | DL | 0.1μW | |
| Shunt Capacitance | Co | 1.0pF typ. | |
| Frequency Ageing | f_age | ±3 x 10 ⁻⁶ | +25±3°C, First Year |
| Operating Temperature | T_use | -40°C to +85°C | |
| Storage Temperature | T_stg | −55°C to +125°C | Piece part basis |

DIMENSIONS

#1

3.2±0.1 1.7Typ

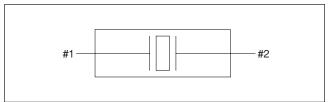
#2

00.3

SC-32S

INTERNAL LEAD CONNECTION

SC-32S



RECOMMENDED SOLDERING PATTERN

#1 #2 #2 W TUNIT: mm

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

UNIT: mm