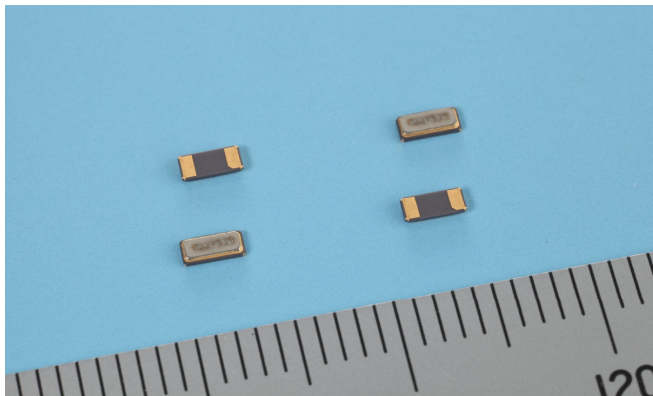


## SC-32T



## Features

- Ultra thin type (0.60mm max)
- 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

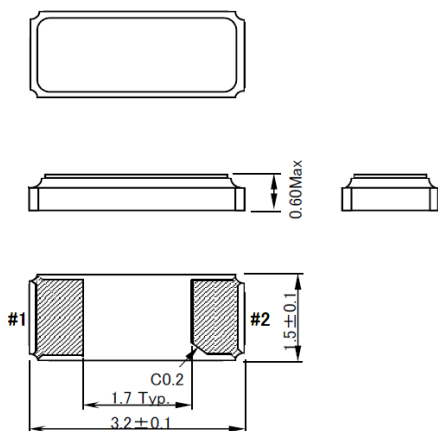
Cellular Phones, PHS, Tablet PC, DSC, Car Audio  
GPS Module, FM Tuner Module, Mobile Device  
Sub-clock function for a variety of Micro-  
Controllers

## Standard Specifications

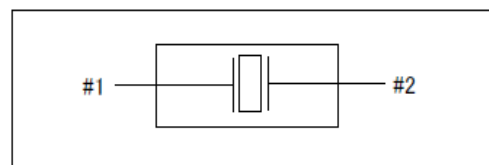
Conditions where not specified (Temperature: 25±2°C, DL:0.1μW)

Item	Symbol	Specifications	Conditions Note
Nominal Frequency	f_nom	32.768kHz	
Frequency Tolerance	f_tol	-6	
Turnover Temperature	Ti	+25±5°C	
Parabolic Coefficient	B	$(-0.03 \pm 10\%) \times 10^{-6} / ^\circ\text{C}^2$	
Load Capacitance	CL	6pF, 7pF, 9pF, 12.5pF	
Motional Resistance (ESR)	R1	70kΩ Max.	
Absolute Max. Drive Level	DI <sub>max.</sub>	1.0μW Max.	
Drive Level	DL	0.1μW typ.	
Shunt Capacitance	C0	1.0pF typ.	
Frequency Ageing	f_age	±3×10 <sup>-6</sup> /year	+25±3°C, First Year
Operating Temperature	T_use	-40~+85°C	
Storage Temperature	T_stg	-55~+125°C	Piece part basis

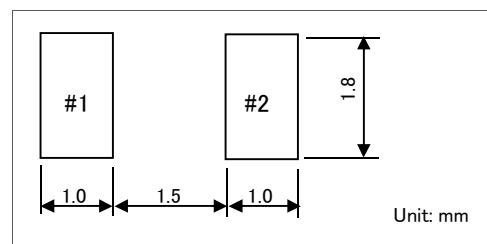
## Dimensions



## Internal Lead Connections



## Recommended Soldering Pattern



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