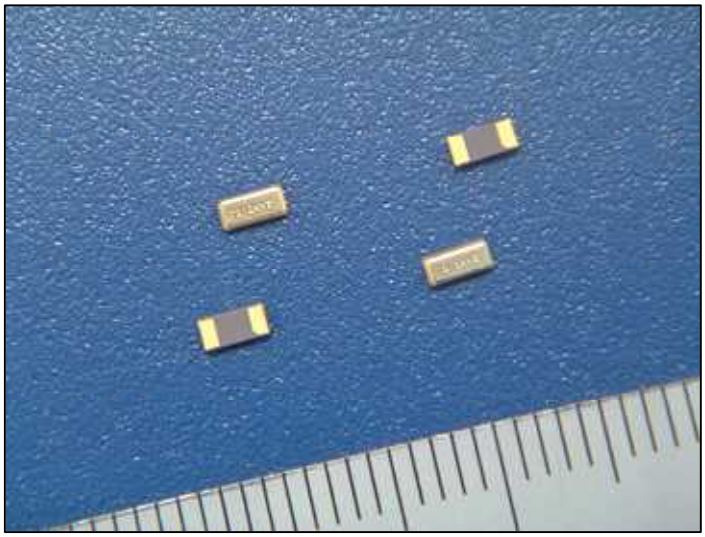
SC-32S



Features

- 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

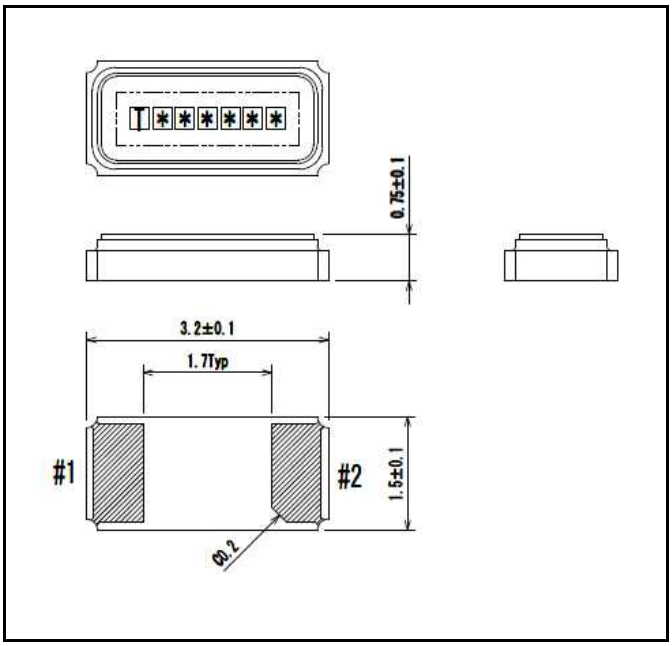
Cellular Phones, PHS, PDA, DSC, Car Audio GPS Module, FM Tuner Module, Mobile Device Sub-clock function for a variety of Micro-Controllers

Standard Specifications

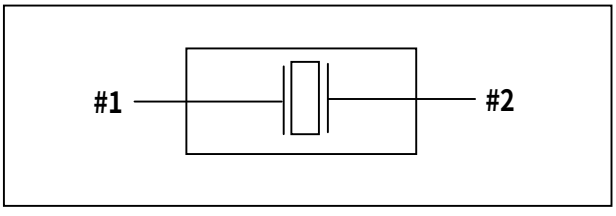
Conditions where not specified (Temperature: 25±2℃, DL;0.1μW)

Item	Symbol	Specifications	Conditions Note
Nominal Frequency	f_nom	32.768kHz	
Frequency Tolerance	f_tol	±20×10^{-6}	
Turnover Temperature	Ti	+25±5℃	
Parabolic Coefficient	B	(-3.0±1.0) ×10^{-8}/℃^{2}	
Load Capacitance	CL	7pF、9pF、12.5pF	
Motional Resistance (ESR)	R1	70kΩ Max.	
Absolute Max. Drive Level	DLmax.	0.5μW Max.	
Drive Level	DL	0.1μW typ.	
Shunt Capacitance	C0	1.0pF typ.	
Frequency Ageing	f_age	±3×10^{-6}/Year	+25±3℃, First Year
Operating Temperature	T_use	-40～+85℃	
Storage Temperature	T_stg	-55～+125℃	Piece part basis

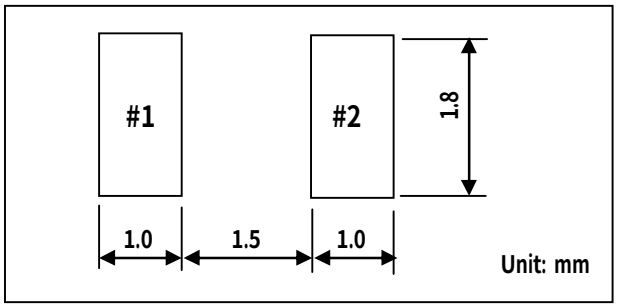
Dimensions



Internal Lead Connections



Recommended Soldering



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