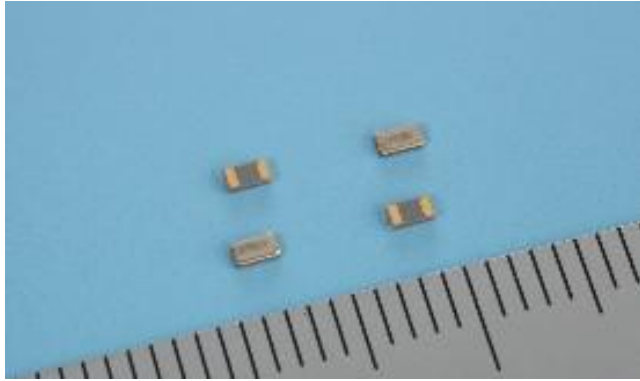




- Thin type (0.6mm)
- Suitable for high density surface mounting
- Excellent shock and heat resistance
- Complete Pb-free
- Complies with EU RoHS directive
- A crystal resonator processed by high reliable photolithographic technology inside

Applications

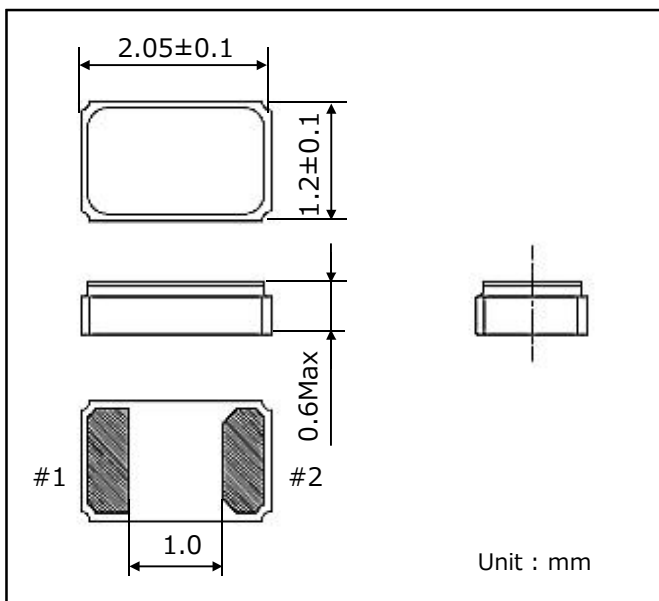
Mobile Phone, Wearable, Module, Sub-clock function for a variety of Micro-computer etc.

Standard Specifications

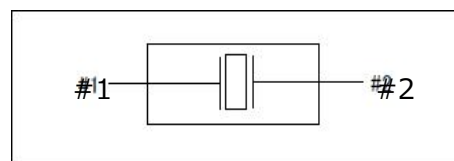
(Temperature: $25\pm 2^{\circ}\text{C}$, DL: $0.1\mu\text{W}$)

Item	Symbol	Specifications	Conditions Note
Nominal Frequency	f_nom	32.768kHz	
Frequency Tolerance	f_tol	$\pm 20 \times 10^{-6}$	Please specify
Turnover Temperature	Ti	$+25 \pm 5^{\circ}\text{C}$	
Parabolic Coefficient	B	$(-0.030 \pm 10\%) \times 10^{-6}/^{\circ}\text{C}^2$	
Load Capacitance	CL	6pF~12.5pF	
Motional Resistance (ESR)	R1	70k Ω max.	
Absolute Max. Drive Level	DLmax.	1.0 μW max.	
Drive Level	DL	0.1 μW typ.	
Shunt Capacitance	C0	1.3pF typ.	
Frequency Ageing	f_age	$\pm 3 \times 10^{-6}$	$+25 \pm 3^{\circ}\text{C}$, First Year
Operating Temperature	T_use	$-40 \sim +85^{\circ}\text{C}$	
Storage Temperature	T_stg	$-55 \sim +125^{\circ}\text{C}$	Piece part basis

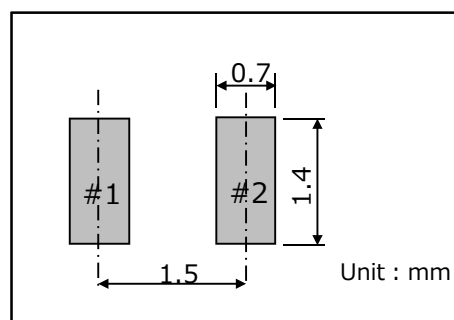
Dimensions



Internal Lead Connections



Recommended Soldering Pattern



Remark: Please make sure that there is no pattern under SC-20S on the circuit board.

