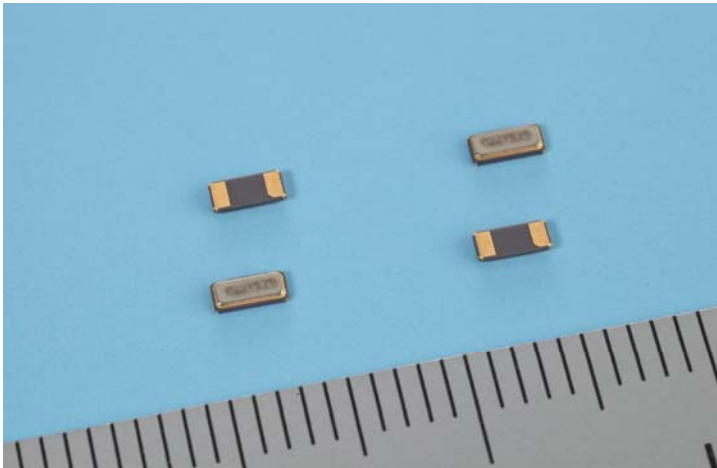


SC-32S



Features

- Thin type (0.75mm)
- Suitable for high density surface mounting
- Excellent shock and heat resistance
- Complete Pb-free
- Complete with EU RoHS directive
- A crystal resonator processed by high reliable photolithographic technology inside.

Applications

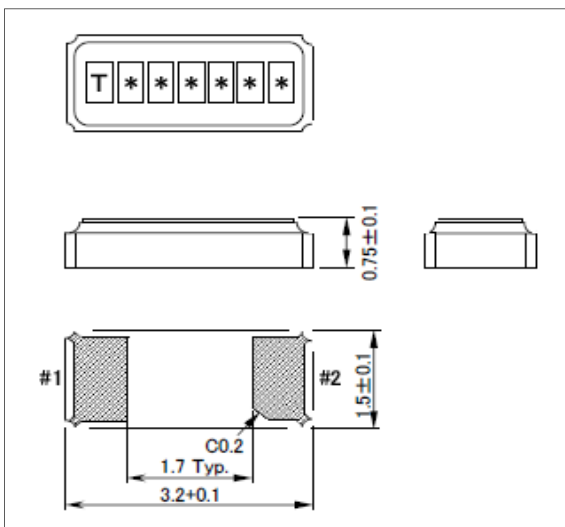
Mobile Phone, Wearable, Module, Sub-clock function for a variety of Micro computer etc.

Standard Specifications

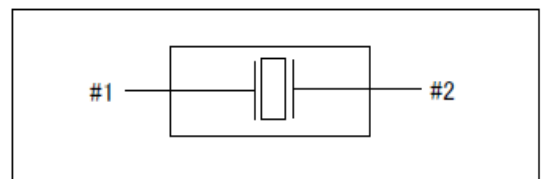
(Temperature: 25±2°C, DL;0.1μW)

Item	Symbol	Specifications	Conditions Note
Nominal Frequency	f_nom	32.768kHz	
Frequency Tolerance	f_tol	±20×10 ⁻⁶	
Turnover Temperature	Ti	+25±5°C	
Parabolic Coefficient	B	(-0.03±10%)×10 ⁻⁶ /°C ²	
Load Capacitance	CL	6~12.5pF	
Motional Resistance (ESR)	R1	70kΩ max.	
Absolute max. Drive Level	DL max.	0.5μW max.	
Drive Level	DL	0.1μW typ.	
Shunt Capacitance	C0	1.0pF typ.	
Frequency Ageing	f_age	±3×10 ⁻⁶	+25±3°C, First Year
Operating Temperature	T_use	-40~+85°C	
Storage Temperature	T_stg	-55~+125°C	Piece part basis

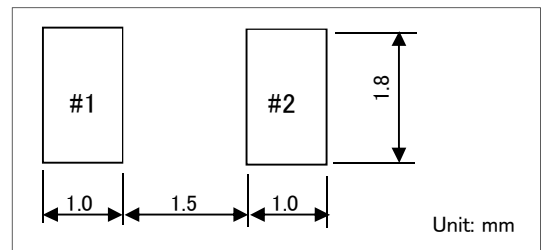
Dimensions



Internal Lead Connections



Recommended Soldering Pattern



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

Seiko Instruments Inc.

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