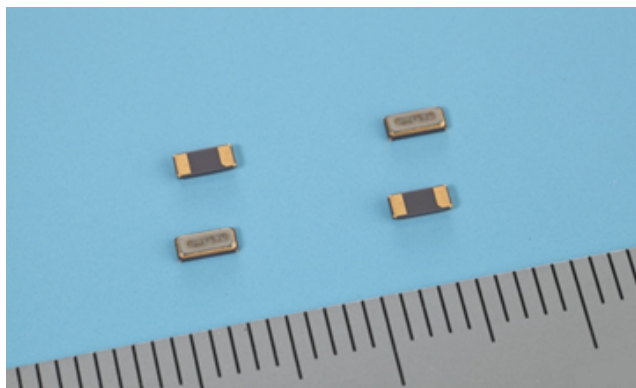


SC-32A (Automotive)



Features

- Confiming to "AEC-Q200"
- SMD type suitable for automatic
- Excellent shock and heat resistance
- Complete Pb-free
- Complies with EU RoHS directive
- A crystal resonator processed by high reliable photolithographic technology inside

Applications

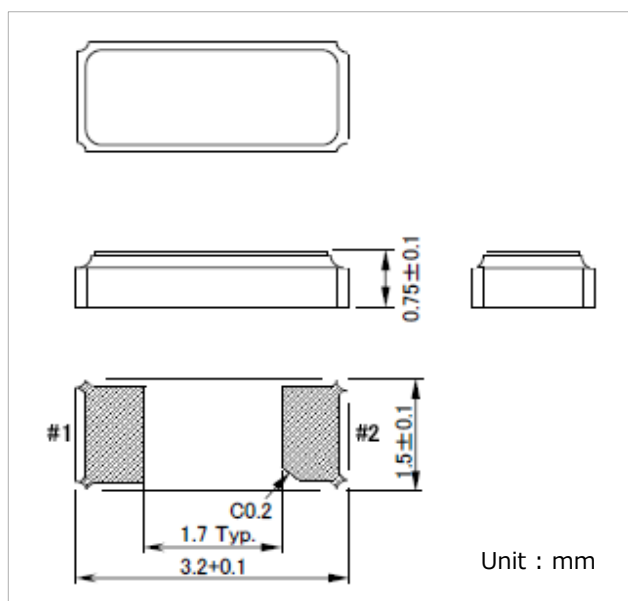
Car Audio, Car Navigation,
ECU sub clock, In-viechle clock

Standard Specifications

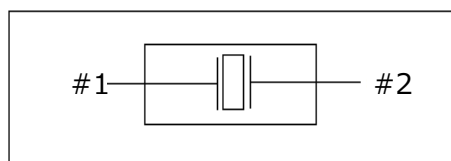
(Temperature: 25±2°C, DL;0.1μW)

Item	Symbol	Specifications	Conditions Note
Nominal Frequency	f_nom	32.768kHz	
Frequency Tolerance	f_tol	±20×10 ⁻⁶	Please specify
Turnover Temperature	Ti	+25±5°C	
Parabolic Coefficient	B	(-0.030±10%)×10 ⁻⁶ /°C ²	
Load Capacitance	CL	6pF~12.5pF	
Motional Resistance (ESR)	R1	70kΩ max.	
Absolute Max. Drive Level	DLmax.	1.0μW 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	-55~+125°C	
Storage Temperature	T_stg	-55~+125°C	Piece part basis

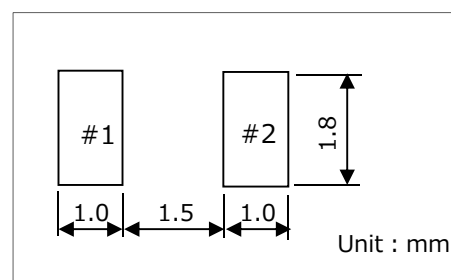
Dimensions



Internal Lead Connections



Recommended Soldering Pattern



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

Seiko Instruments Inc.

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