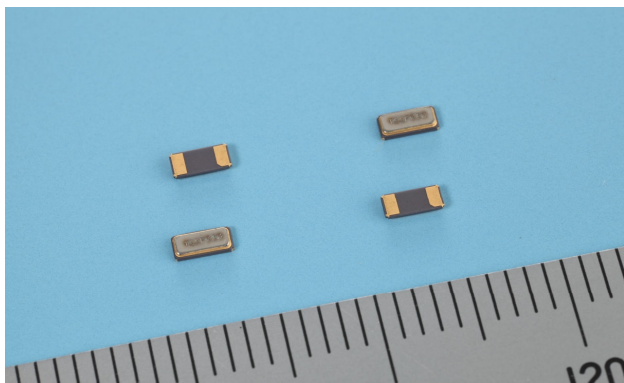


SC-32A



Features

- Confirming to "AEC-Q200"
- SMD type suitable for automatic
- Excellent shock and heat resistance
- Complete Pb-free
- highly reliable photolithographic processed quartz crystal.

Applications

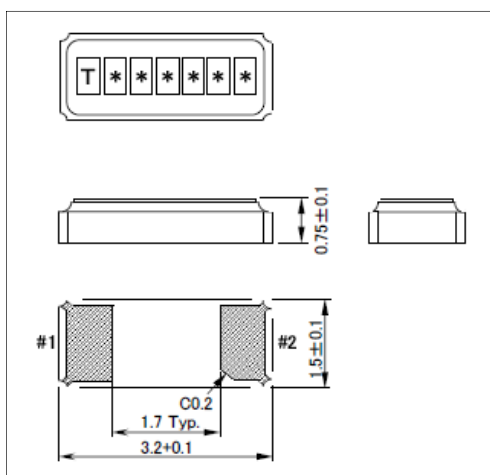
Car Audio
Car Navigation
ECU sub clock
In-vehicle clock

Standard Specifications

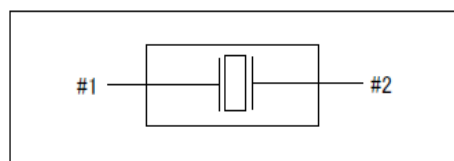
Conditions where not specified (Temperature: 25±2°C, DL:0.1μW)

Item	Symbol	Specifications	Conditions Note
Nominal Frequency	f _{nom}	32.768kHz	
Frequency Tolerance	f _{tol}	±5, ±10, ±20×10 ⁻⁶	
Turnover Temperature	T _i	+25±5°C	
Parabolic Coefficient	B	(-0.03±10%)×10 ⁻⁶ /°C ²	
Load Capacitance	CL	6pF, 7pF, 9pF, 12.5pF	
Motional Resistance (ESR)	R ₁	70kΩ Max.	
Absolute Max. Drive Level	DL _{max.}	1.0μW Max.	
Drive Level	DL	0.1μW typ.	
Shunt Capacitance	C ₀	1.0pF typ.	
Frequency Ageing	f _{age}	±3×10 ⁻⁶ /year	+25±3°C, First Year
Operating Temperature	T _{use}	-55~+125°C	
Storage Temperature	T _{stg}	-55~+125°C	Piece part basis

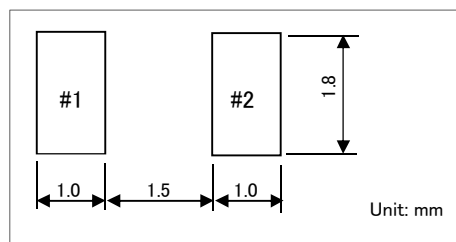
Dimensions



Internal Lead Connections



Recommended Soldering Pattern



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

Seiko Instruments Inc.

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