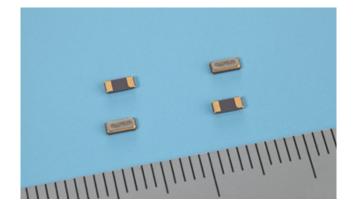


SC-32S



Standard Specifications

Features

- Thin type (0.75mm)
- · 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

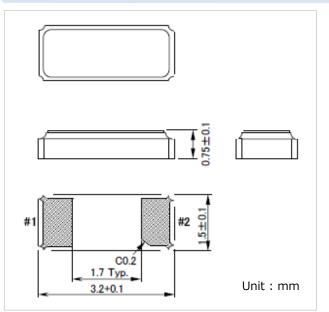
Applications

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

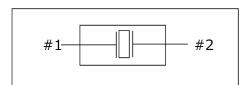
(Temperature: $25\pm2^{\circ}$ C, DL;0.1µW)

(16mperature) 25-2 6/ 52/611			po: ata. 0: =0 = 0/ ==/0:=p::/
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℃	
Parabolic Coefficient	В	(-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℃, First Year
Operating Temperature	T_use	-40∼+85℃	
Storage Temperature	T_stg	-55∼+125℃	Piece part basis

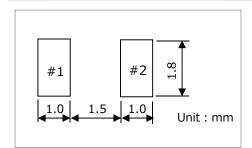
Dimensions



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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