SC-16S



FEATURES

- SMD type suitable for high density surface mounting.
- Thin type with height 0.5mm max.
- Excellent shock and heat resistance.
- Pb-free.
- Complies with EU RoHS directive.
- A crystal resonator processed by high reliable photo-lithographic technology inside.

APPLICATIONS

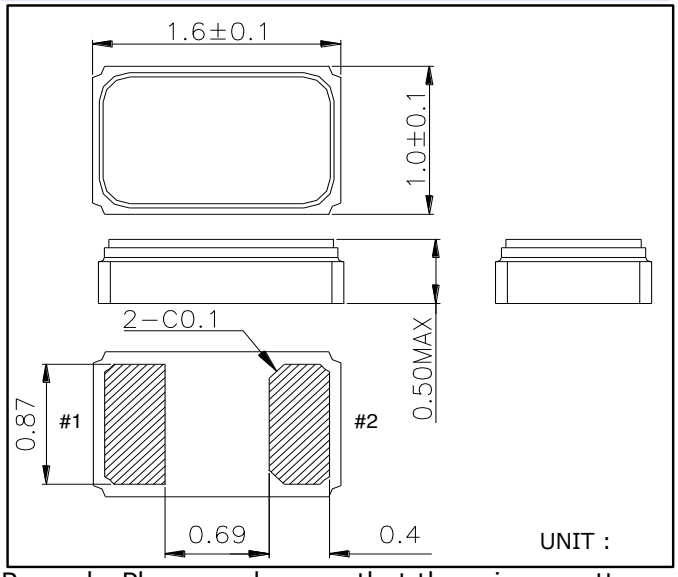
Mobile Phone, Wearable, Module, Sub-clock function for a variety of Microcomputer, etc.

STANDARD SPECIFICATIONS

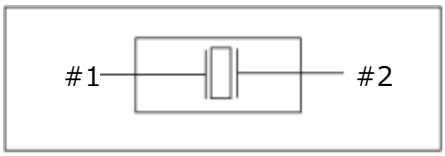
Conditions where not specified (Temperature: 25±2℃, DL: 0.1μW)

Item	Symbol	Specifications	Conditions / Note
Nominal Frequency	f_nom	32.768kHz	
Frequency Tolerance	f_tol	$\pm 20\times10^{-6}$	※Please contact us for inquiries regarding available tolerance.
Turnover Temperature	Ti	+25±5℃	
Parabolic Coefficient	B	$(-0.036\pm10\%)\times10^{-6}/℃^2$	
Load Capacitance	C_L	6.0pF, 7.0pF, 9.0pF, 12.5pF	※Please contact us for inquiries regarding available CL.
Motional Resistance (ESR)	R_1	90kΩ max.	
Absolute Maximum Drive Level	DLmax.	0.5μW max.	
Level of Drive	DL	0.1μW typ.	
Shunt Capacitance	C_0	1.2pF typ.	
Frequency Ageing	f_age	$\pm 3\times10^{-6}$	+25±3℃, First Year
Operating Temperature	T_use	-40～+85℃	
Storage Temperature	T_stg	-55～+125℃	Piece part basis

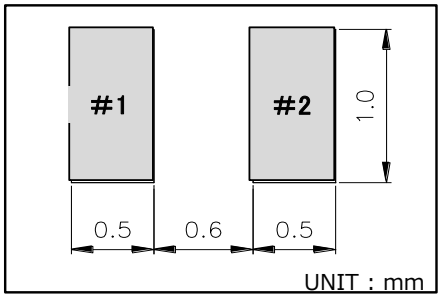
DIMENSIONS



INTERNAL LEAD CONDITIONS



RECOMMENDED SOLDERING PATTERN



Remark: Please make sure that there is no pattern under SC-16S on the circuit board.