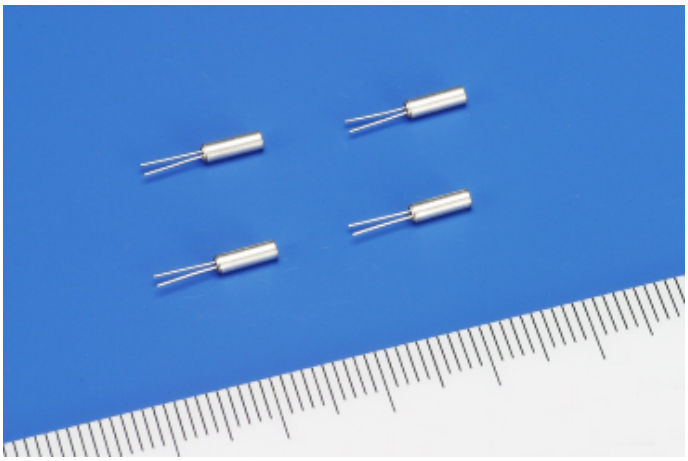
VT-200-FL



Features

- Consumes one tenth the standby power of general crystal resonators (with a load capacitance of 12.5pF)
- Photolithograhic process
- Excellent low drive level characteristics.
- Complete Pb-free
- Complies with EU RoHS directive

Applications

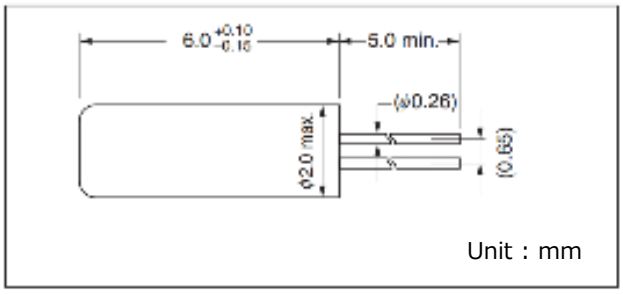
- Consumer-electronics probducts for saving standby energy consumption.
- Battery operated devices requiring a long battery life.

Standard Specifications

(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 specify
Turnover Temperature	Ti	+25±5℃	
Parabolic Coefficient	B	$(-0.035\pm10\%)\times10^{-6}/℃^2$	
Load Capacitance	CL	3.7pF,4.4pF,6.0pF	
Motional Resistance (ESR)	R1	50kΩ max.	
Absolute Max. Drive Level	Dlmax.	1.0μW max.	
Drive Level	DL	0.01μW typ.	
Shunt Capacitance	C0	0.9pF typ.	
Frequency Ageing	f_age	$\pm 3\times10^{-6}$	+25±3℃, First Year
Operating Temperature	T_use	-40～+85℃	
Storage Temperature	T_stg	-40～+85℃	Piece part basis

Dimensions



CAUTION

The VT-200-FL is designed for use in ultra-low-power microcontrollers. Do not use thia resonator in regular microcomputer as it minght cause problems with oscullation.

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