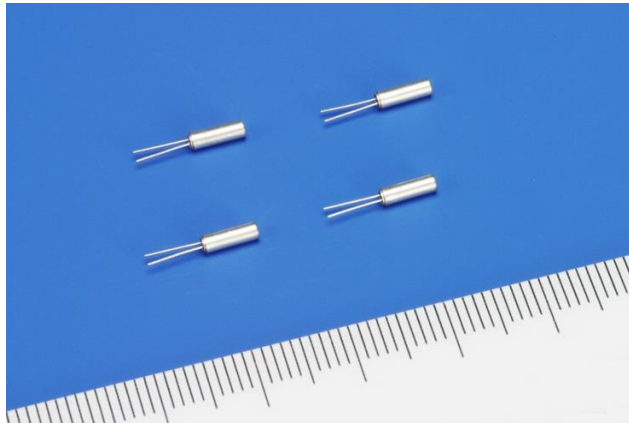


VT-200-F



FEATURES

- Compact tubular package.
- A crystal resonator processed by high reliable photolithographic technology inside.
- Excellent shock resistance and environmental characteristics.
- Complies with EU RoHS directive.
- Pb-free.

APPLICATIONS

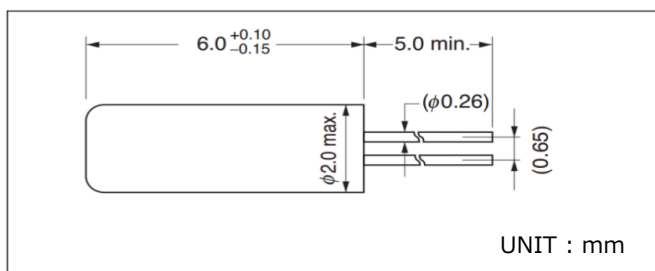
Clocks, Timers, Water/Electricity Meter, Remote-controllers, Sub-clock function for a variety of Microcomputer, etc.

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 ⁻⁶ , ±10×10 ⁻⁶ , ±20×10 ⁻⁶	※Please contact us for inquiries regarding available tolerance.
Turnover Temperature	Ti	+25±5°C	
Parabolic Coefficient	B	(-0.035±10%)×10 ⁻⁶ /°C ²	
Load Capacitance	C _L	7.0pF~12.5pF	※Please contact us for inquiries regarding available CL.
Motional Resistance (ESR)	R ₁	50kΩ max.	
Absolute Maximum Drive Level	DLmax.	1.0μW max.	
Level of Drive	DL	0.1μW typ.	
Shunt Capacitance	C ₀	0.9pF typ.	
Frequency Ageing	f_age	±3×10 ⁻⁶	+25±3°C, First Year
Operating Temperature	T_use	-40~+85°C	
Storage Temperature	T_stg	-40~+85°C	Piece part basis

DIMENSIONS



Remark: Please make sure that there is no pattern under VT-200-F on the circuit board.

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