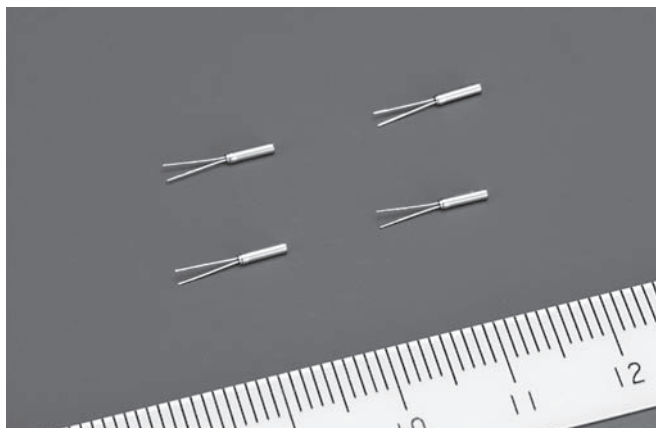


VT-120-F



FEATURES

- Compact 1.2φ tubular package.
- Photolithographic process.
- Excellent shock resistance and environmental characteristics.
- RoHS directive compliant.
- Complete Pb-free.

APPLICATIONS

Clock Source for Micro-Computers,
Small/Thin Watches.

STANDARD SPECIFICATIONS

Conditions without notice (Temperature: +25±2°C, DL: 0.1μW)

Item	Symbol	Specifications	Conditions / Notes
Nominal Frequency	f _{nom}	32.768kHz	
Frequency Tolerance	f _{tol}	±20 x 10 ⁻⁶ , ±30 x 10 ⁻⁶ , ±50 x 10 ⁻⁶	
Turnover Temperature	T _i	+25±5°C	
Parabolic Coefficient	B	(-3.5±1.0) x 10 ⁻⁸ /°C ²	
Load Capacitance	C _L	6.0 to 12.5pF	
Motional Resistance (ESR)	R ₁	50kΩ max.	
Absolute Maximum Drive Level	DL _{max}	1μW	
Level of Drive	DL	0.1μW	
Shunt Capacitance	C ₀	0.8pF typ.	
Frequency Ageing	f _{age}	±3 x 10 ⁻⁶	+25±3°C, First Year
Operating Temperature	T _{use}	-20°C to +60°C	
Storage Temperature	T _{stg}	-30°C to +70°C	Piece part basis

DIMENSIONS

VT-120-F

