

### FEATURES

- Compact tubular package.
- Photolithographic process.
- Excellent shock resistance and environmental characteristics.

### APPLICATIONS

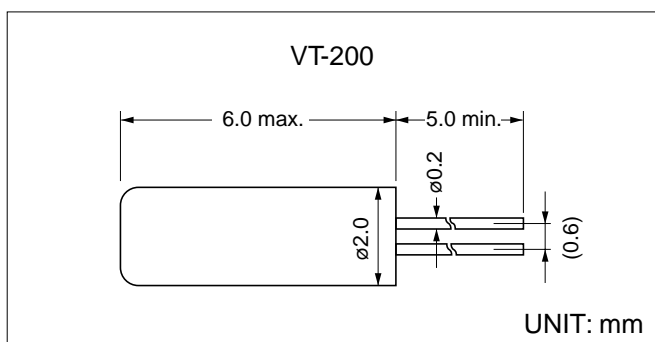
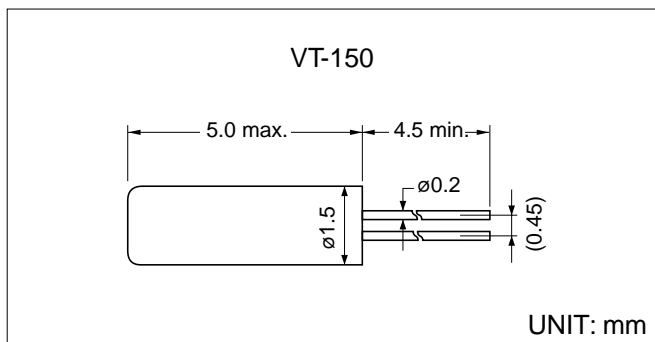
- Real Time Clocks, Timers, Pagers, Cameras, Remote-Controllers, Portable Applications

### STANDARD SPECIFICATIONS

Conditions without notice (Temperature: +25±2°C)

Item	Symbol	Specifications	Conditions / Notes
Nominal Frequency	$f_0$	32.768kHz	
Allowable Frequency Tolerance	$\Delta f/f_0$	$(\pm 5 \times 10^{-6}) \pm 10 \times 10^{-6}, \pm 20 \times 10^{-6}$	
Turnover Temperature	$T_p$	+25±5°C	
Temperature Coefficient	K	$(-3.5 \pm 0.8) \times 10^{-8}/^\circ\text{C}^2$	
Load Capacitance	$C_L$	4.5 to 12.5pF	
Series Resistance	$R_1$	50kΩ max.	
Absolute Maximum Drive Level	DLmax	1μW	
Recommended Drive Level	DL	0.1μW	
Shunt Capacitance	$C_0$	0.86pF typ.	
Frequency Change Over Time	$\Delta f/f_0$	±5 × 10 <sup>-6</sup> max.	+25±3°C, First Year
Operating Temperature Range	$T_{ope}$	-10°C to +60°C	
Storage Temperature Range	$T_{sto}$	-30°C to +70°C	

### DIMENSIONS



### FREQUENCY-TEMPERATURE CURVE

