

FEATURES

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

APPLICATIONS

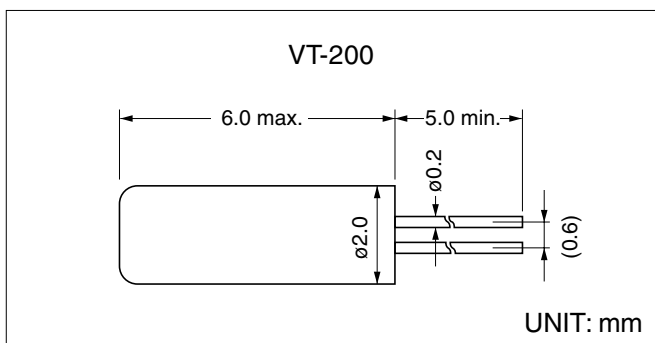
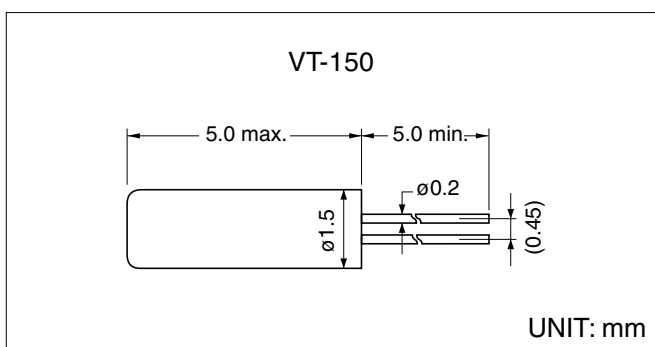
- Real Time Clocks, Timers, Pagers, Cameras, Remote-Controllers, Portable Applications

STANDARD SPECIFICATIONS

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

Item	Symbol	Specifications	Conditions / Notes
Nominal Frequency	f_0	32.768kHz	
Frequency Tolerance	$\Delta f/f_0$	(±5ppm) ±10ppm, ±20ppm	
Turnover Temperature	T_p	+25°C±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	
Equivalent Series Resistance	R_1	50kΩ max.	
Maximum Drive Level	DLmax	1μW	
Recommended Drive Level	DL	0.1μW	
Shunt Capacitance	C_0	0.86pF typ.	
Aging	$\Delta f/f_0$	±5ppm max.	+25°C±3°C, First Year
Operating Temperature Range	T_{op}	-10°C to +60°C	
Storage Temperature Range	T_{st}	-30°C to +70°C	
Solderability	T_{sol}	280°C max. 5sec. max (Package 150°C max.)	Leads Only

DIMENSIONS



FREQUENCY-TEMPERATURE CURVE

