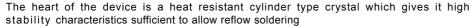


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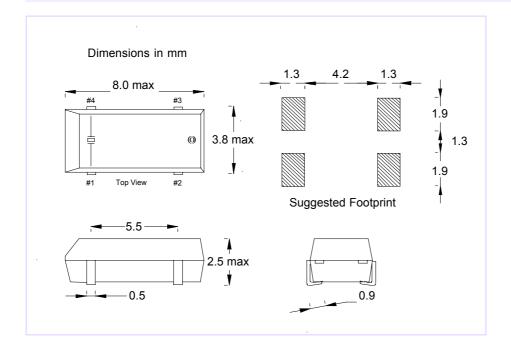
ACT200

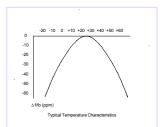
The **ACT200** is a miniature surface mount Watch Crystal whose low power consumption makes it ideal for portable applications. It's size makes it suitable for high density circuit boards or applications where space is limited and the tape and reel packaging means that it is ideal for automatic placement machines.





Parameter	Symbol	Specification	Condition
Nominal Frequency	fo	32.768KHz	
Frequency Tolerance	∆f/fo	±5ppm, ±10ppm, ±20ppm, 30ppm	@25°C
Frequency v Temp Characteristics	∆f/fo	See drawing	-10 ~ +60°C
Turnover Temperature	Tm	25°C ±5°C	
Freq. Temp. coefficient	β	-0.034 ±0.006ppm/°C ²	
Temp Operating Range	Topr	-40 ~ +85 °C	
Temp Storage Range	Tstg	-55 ~ +125 °C	
Equivalent Series Resistance	ESR	50KΩ max	At 25 °C
Shunt Capacitance	C0	1.35pF Typical	
Load Capacitance	CL	6 & 12.5pF	Others, please specify
Motional Capacitance	C ₁	0.003pF Typical	
Capacitance Ratio	γ	450 Typical	
Drive Level	DL	1μ W max	
Insulation Resistance	IR	500MΩ Min	@ DC 100V ±15V
Aging (first year)	∆f/fo	±3ppm max	25°C ±3°C





Please note that not all parameters can necessarily be specified in a single device