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FEATURES

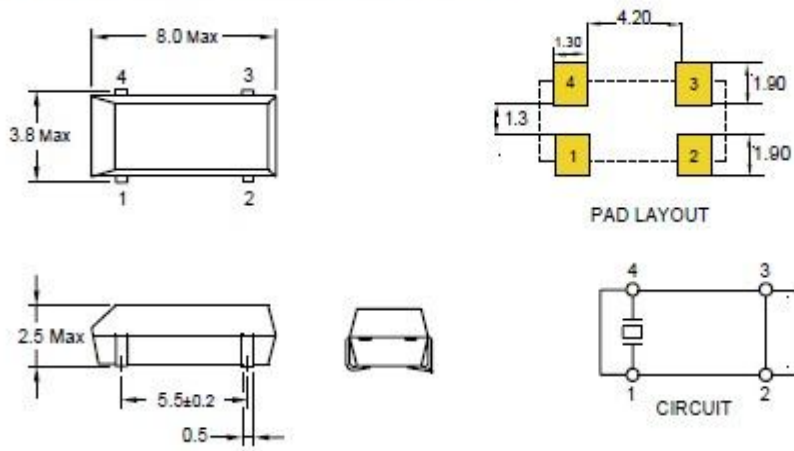
- Molded Crystal package to meet today's demand for pick and place processing.
- Available on tape and reel in quantities of 3K for SMT placement.



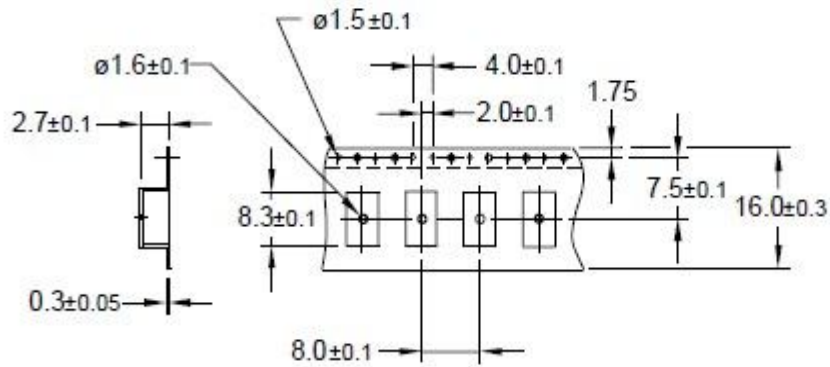
ELECTRICAL SPECIFICATIONS

frequency f_0	32.768KHz
Frequency tolerance $\Delta f/f_0$	$\pm 20 \sim \pm 100 \text{ppm}$
Equivalent series resistance (ESR)	$30\text{K}\Omega \sim 50\text{K}\Omega \text{ max}$
Turnover T_0	$25^\circ\text{C} \pm 5^\circ\text{C}$
Operating temperature	$-40 \text{ to } 85^\circ\text{C}$
Storage temperature	$-55 \text{ to } 125^\circ\text{C}$
Quality Factor Q	100000 typ
Frequency vs temp	$-0.034 \text{ppm}/^\circ\text{C}^2 \text{ Max}$
Insulation resistance I_R	$\geq 500\text{M}\Omega$
Load Capacitance C_L	$6\text{pF} \sim 12.5\text{pF}$
Shunt capacitance(C_0)	1.3pF
Dynamic Capacitance C_1	2.4pF
Drive Level D_L	$1\mu\text{W Max}$
Aging f_a	$\pm 3 \text{ppm/year}$

Packaging and Dimensions (mm)



Tape



Ordering

HCS308C-	32.768K	- 12.5	- 20	- A
Series	Frequency in KHz	Load Capaci- tance (pf)	Frequency Tolerance in ppm	Operating Temperature Range
		6 ~ 12.5pF	± 20 (std)	A=-10 to 60°C (std) B=-20 to 70°C C=-40 to 85°C