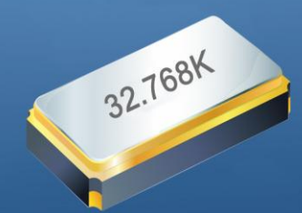
SMD
kHZ Crystals
3.2x1.5x0.75mm 3215 Series

Features

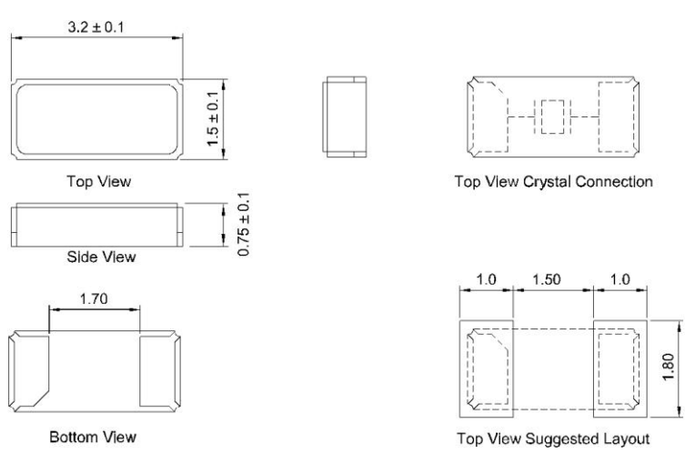
. 2 pads surface mount package.
. Application for variety of automotive products reference clocks.
. High reliable environmental performance.



Electrical Specifications

Item / Type	
Norminal Frequency 标称频率	32.768 kHz
Frequency Tolerance(at 25 ℃) 频率偏差	± 10 ppm ± 20 ppm
Operation Temperature Range 工作温度	– 40 ~ + 85 ℃
Shunt Capacitance (C0) 静态电容	1.0pF typical
Motional Capacitance (C1) 动态电容	3.4fF typical
Insulation Resistance (IR) 绝缘阻抗	500 MΩ Min.
Drive Level (DL) 激励电平	1.0 μW Max.
Load Capacitance(CL) 负载电容	6PF ,7Pf ,9Pf, 12.5 pF ,
Turnover Temperature (Ti) 拐点温度	25 ℃ ± 5 ℃
Parabolic Coefficient (B) 温度系数	(- 0.03 ± 0.01) * 10^{-6} / ℃^{2}
Aging (at 25 ℃) 年老化	± 3 ppm at First year
Storage Temperature Range 储存温度	–55 ~ +125 ℃

Equivalent Series Resistance(ESR)

3215
70 KΩ Max

Dimensions