Shanghai Jingying Electronic Co.,LTD. - KHz Quartz Crystal Resonator / CK-2012
上海晶英电子有限公司 - KHz石英晶体谐振器 / CK-2012

SMD Crystal 2012
贴片型石英晶体 2012

Frequency Range 频率范围
32.768KHz

Features 特点
 – Low cost and high stability　低成本，高稳定性
 – SMD Designed　贴片设计
 – 260℃ Reflow Compatible　允许高温回流焊
 – Rohs compliant　环保产品和标准合规

Standard Specification & Note
标准参数 & 注意事项

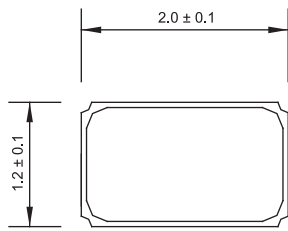| Holder Type 封装形式	MM	2012 (2.0 x 1.2 x 0.6)
Frequency Range 频率范围	KHz	32.768KHz
Frequency Tolerance 调整频差(at 25℃)	PPM	±20 or specify
Operation Temperature 运行温度	℃	-40 ~ +85
Storage Temperature 保存温度	℃	-55 ~ +125
Turnover Temperature 顶点温度	℃	25±5
Temperature Coefficient 温度系数	PPM/℃^{2}	-0.036±0.01
Load Capacitance 负载电容	pF	12.5 or specify
Equivalent Series Resistance 谐振电阻	kΩ	90 max
Drive Level 激励电平	µW	0.5 max (0.1 typ.)
Shunt Capacitance 静电容	pF	1.5 max
Aging 年老化率(at 25℃)	PPM/Year	±3

Frequency, Load capacitance (pF),Frequency tolerance (PPM), Operation Temperature (℃) can be selected and made in terms of your requirements.　频率、等效负载（pF）、频率误差（PPM）、耐高温的要求按照客户指定制作
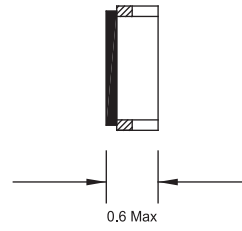
Note:
1. Manufacturer reserves the right to change the specification and content of this product for improvement without notification.
2. Custom specification is welcome. Please contact our sales representative for further details.
3. If the crystal is intended for applications which have direct impact on human life and properties, and require a high degree of reliability and safety concerns, customers must provide full information such as but not limit to the application, electrical and reliability specification at the inquiry beginning stage.
4. There are unpredictable factors such as applied condition, oscillation margin and etc and customers must check them beforehand. Incase of queries, please do not fail to send inquiry to our company before ordering.

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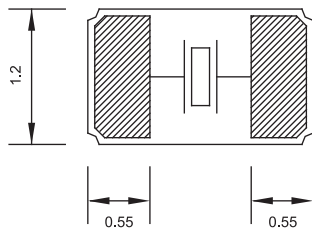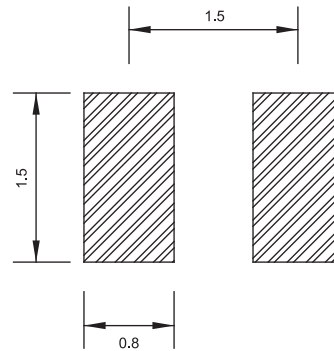## Dimensions (mm)
外形尺寸

2.0 ± 0.1

1.2 ± 0.1

Top View

0.6 Max

Side View

1.2

0.55

0.55

Top View Crystal Connection

1.5

1.5

0.8

Top View Suggest Layout