

Shanghai Jingying Electronic Co.,LTD. - MHz Quartz Crystal Resonator / CM-2520

上海晶英电子有限公司 - MHz 石英晶体谐振器 / CM-2520

SMD Crystal 2520

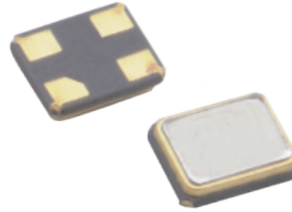
贴片型石英晶体 2520

Frequency Range 频率范围

12MHz~66MHz

Features 特点

- Low cost and high stability 低成本，高稳定性
- SMD designed 贴片设计
- 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	2520 (2.5 x 2.0 x 0.6)
Frequency Range 频率范围	MHz	12MHz~66MHz
Frequency Tolerance 调整频差 (at 25°C)	PPM	± 10, ± 30 or specify
Frequency Stability Over Operation Temperature 温度频差	PPM	± 10, ± 30 or specify
Operation Temperature 运行温度	°C	-20 ~ +70, -40 ~ +85
Storage Temperature 保存温度	°C	-55 ~ +125
Load Capacitance 负载电容	pF	8, 10 or specify
Equivalent Series Resistance 谐振电阻	Ω	Please refer to ESR table below 请参考下图ESR表格
Drive Level 激励电平	μW	100 max (10 typ.)
Shunt Capacitance 静电容	pF	5 max
Aging 年老化率 (at 25°C)	PPM/Year	±3

Frequency, Load capacitance (pF), Frequency tolerance (PPM), Operation Temperature (°C) 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. In case of queries, please do not fail to send inquiry to our company before ordering.

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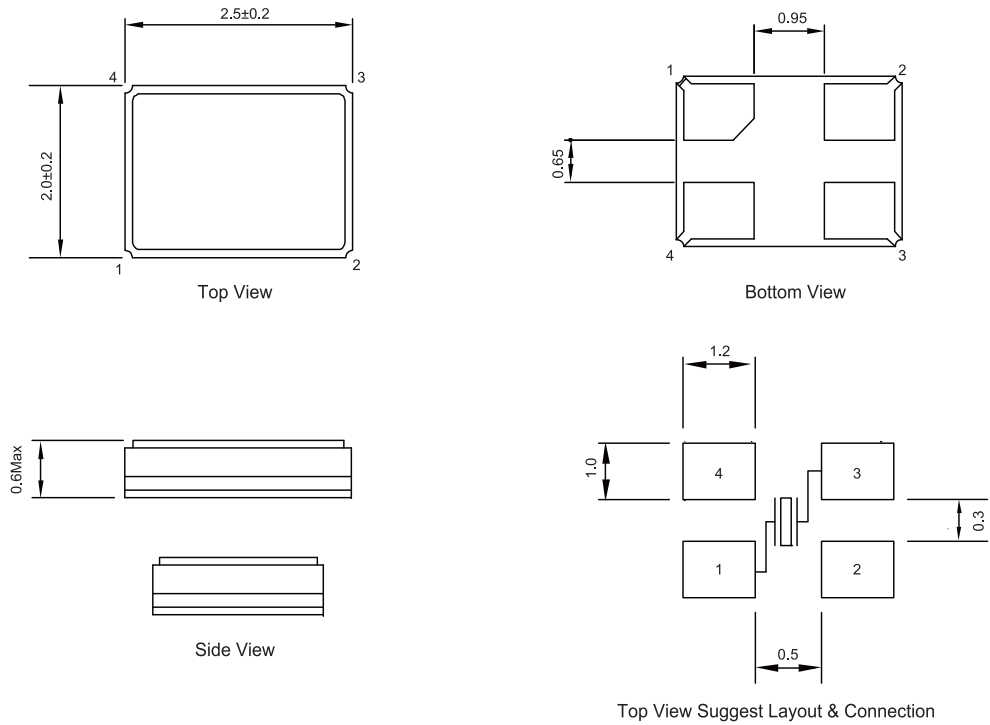
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贴片型石英晶体 2520

Dimensions (mm)

外形尺寸



ESR table

ESR 表格

Fundamental	12.0MHz to 12.9MHz	200Ω max
	13.0MHz to 15.9MHz	150Ω max
	16.0MHz to 19.9MHz	80Ω max
	20.0MHz to 29.9MHz	60Ω max
	30.0MHz to 34.9MHz	50Ω max
3rd overtone	35.0MHz to 66.0MHz	40Ω max

