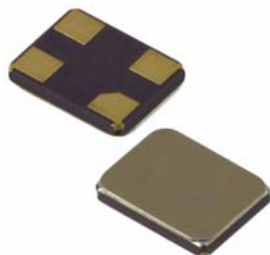


SMD QUARTZ CRYSTAL RESONATOR

石英晶体谐振器



4 Pad Version 2.0×1.6 mm

- ±10 ppm type available
- Excellent Reliability Performance
- EMI shielding possible by grounded lid
- Reflow soldering temperature: 260℃ max
- Ceramic Seam Weld package

RoHS
2002/95/EC

RoHS compliant

★ PARAMETERS

技术参数

PARAMETERS	参数	SPECIFICATION 规格
Frequency Range	频率范围	24~50MHz
Operation Mode	振动模式	Fundamental
Loading Capacitance	负载电容	9pF Std. 8 to 32pF / Series available
Drive Level	激励电平	10 μ W (100 μ W Max)
Frequency Tolerance	频率偏差	±10ppm~±30ppm (at 25℃)
Equivalent Resistance	谐振电阻	80 Ω Max
Frequency Stability	频率稳定性	±10ppm~±50ppm
Operating Temp. Range	工作温度范围	-10~+60℃ to -40~+85℃
Storage Temp. Range	储存温度范围	-55~+125℃

○ All specification subject change without notice. 规格变化, 恕不另行通知。

★ FREQUENCY STABILITY VS. TEMPERATURE

频率温度特性

Operation Temperature Range	Frequency Stability				
	±10ppm	±15ppm	±20ppm	±30ppm	±50ppm
-10℃~+60℃	●	○	○	○	○
-20℃~+70℃	○	○	●	○	○
-40℃~+85℃		○	○	●	○

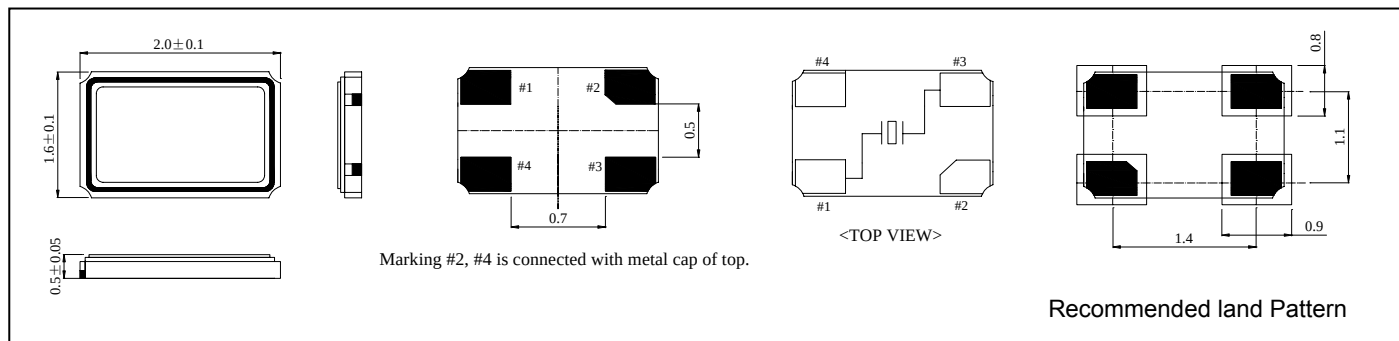
● standard ○ available

★ ESR (SERIES RESISTANCE RS) 谐振电阻

Frequency	Vibration Mode	ESR
24-25.999MHz	AT CUT/FUND.	80Ω(MAX)
26-39.999MHz	AT CUT/FUND.	60Ω(MAX)
40-50.999MHz	AT CUT/FUND.	50Ω(MAX)

★ DIMENSIONS& LAND PATTERN LAYOUT (Unit: mm)

外形尺寸



★ PART NUMBER GUIDE 部件号示例

e.g. FTX16.000M10SM2A-10/10B (*SM2A=2.0×1.6 SMD SEAM TYPE)

Logo	Quartz Crystal Resonator 石英晶体谐振器	Frequency 频率 Hz	Load Capacitance 负载电容 pF	Package 盒型	Frequency Tolerance 常温频差 ppm	Frequency Stability 温度频差 ppm	Operating Temp. Range 工作温度
FT	X	16.000M	10	SM2A	10	10	B

★ TAPING SPECIFICATION (Unit: mm) 编带规格

