

SMD QUARTZ CRYSTAL RESONATOR

石英晶体谐振器



4 Pad Version Adhesive Sealed 3.2×2.5 mm

- ±10 ppm type available
- Excellent Reliability Performance
- Reflow soldering temperature: 260℃ max
- Surface Mount Adhesive Sealed, Ceramic Base& Metal Lid



RoHS compliant

★ PARAMETERS

技术参数

PARAMETERS	参数	SPECIFICATION 规格
Frequency Range	频率范围	12~54MHz
Operation Mode	振动模式	Fundamental
Loading Capacitance	负载电容	8 to 32pF Series available (Customer Specified)
Drive Level	激励电平	10 μ W (200 μ W Max)
Frequency Tolerance	频率偏差	±10ppm~±30ppm (at 25℃)
Equivalent Resistance	谐振电阻	100 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℃			○	○	●

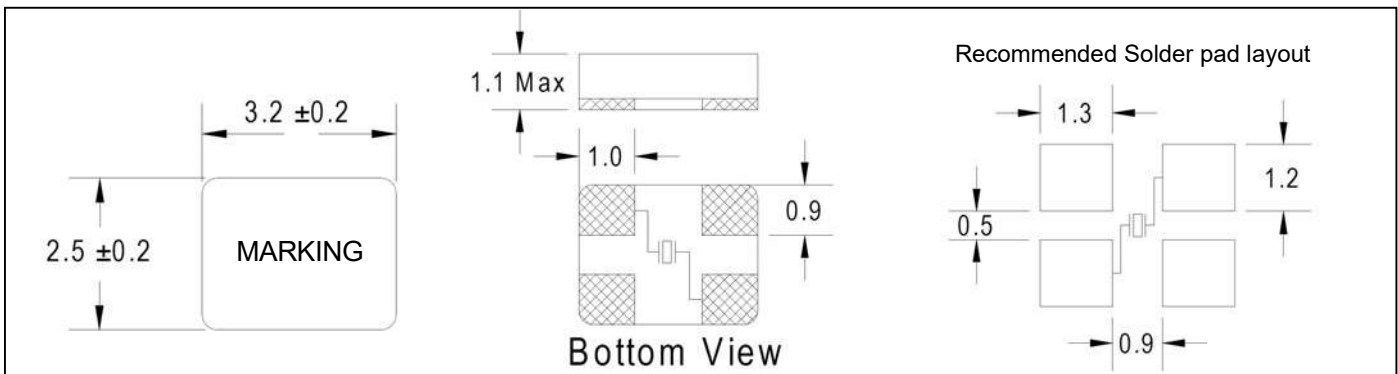
● standard ○ available

★ ESR (SERIES RESISTANCE RS)

Frequency	Vib. Mode	ESR
12-15.999MHz	AT CUT/FUND.	100Ω(MAX)
16-18.999MHz	AT CUT/FUND.	80Ω(MAX)
19-26.999MHz	AT CUT/FUND.	60Ω(MAX)
27-54.000MHz	AT CUT/FUND.	40Ω(MAX)

★ DIMENSIONS& LAND PATTERN LAYOUT (Unit: mm)

外形尺寸

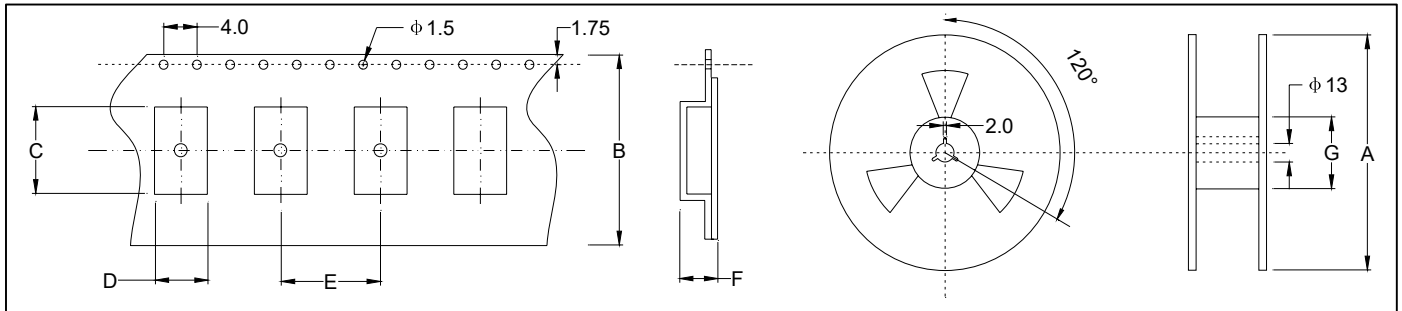


★ PART NUMBER GUIDE 部件号示例

e.g. FTX26.000M9SM3GA (*SM3GA=3.2×2.5 SMD Adhesive Sealed TYPE A)

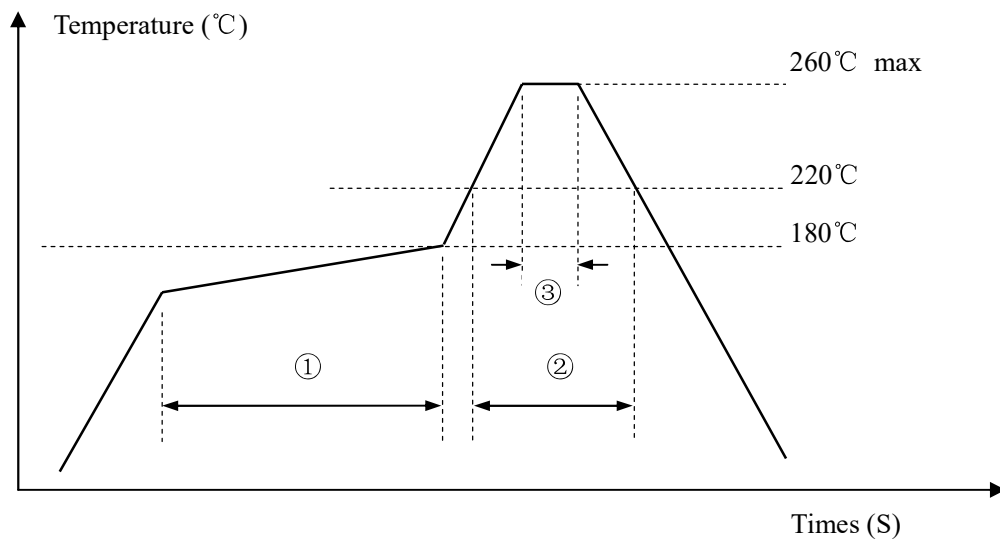
	Quartz Crystal Resonator 石英晶体谐振器	Frequency 频率	Load Capacitance 负载电容	Package 盒型
FT	X	26.000MHz	9	SM3GA

★ TAPING SPECIFICATION (Unit: mm) 编带规格



	A	B	C	D	E	F	G
SMD3225	178 ± 2.0	12.0 ± 0.3	3.55 ± 0.10	2.80 ± 0.10	4.0 ± 0.1	0.85 ± 0.10	60.5 ± 1.0
3000 pcs per reel							

★ REFLOW SOLDERING PROFILE 回流焊特性



Pb free reflow A	①	Preheat	160~180°C	120sec. max
	②	Primary heat	220°C	60sec. max
	③	Peak	260°C	10sec. max.