

■ 特性 (FEATURES)

- 频率范围：3.5–70MHz
- Frequency Range:3.5–70MHz
- 适合于低功耗的便携设备
- Suited for automatic mounting and reflow soldering
- 适用于数码设备的所有时钟源
- Crystal resonators offering excellent frequency stability for use in microprocessors and other standard clocks.



■ 标准规格 (STANDARD SPECIFICATION)

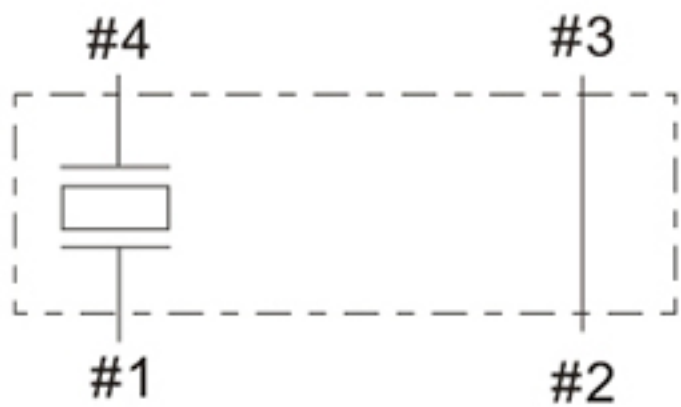
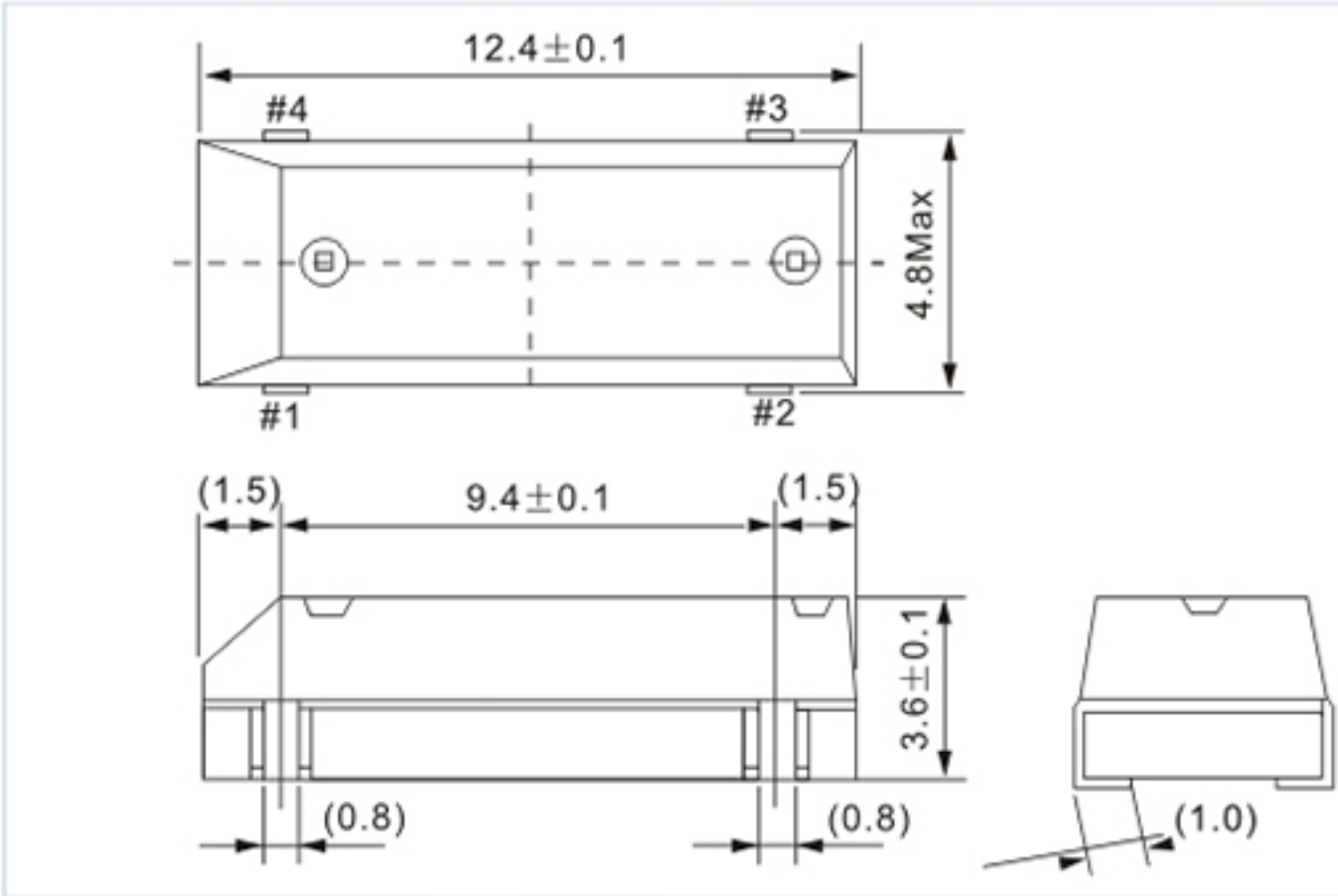
Item	Model	TMXLi-AT309		Conditions
频率范围 (Frequency Range)		3.5–34.0MHz(Fund.)	27.0–70.0MHz(3rd Overtone)	Need to specify
调整频差 (Frequency Tolerance)		$\pm 30\text{ppm}$		at 25°C
温度频差 (Freq. Tol. Over Temp)		$\pm 30\text{ppm}$ or $\pm 50\text{ppm}$		See fig. As below
工作温度范围 (Operating Temperature Range)		$-20\sim+70^{\circ}\text{C}$		
保存温度范围 (Storage Temperature Range)		$-40\sim+85^{\circ}\text{C}$		
谐振电阻 (Series Resistance)		Refer to the table as below		at 25°C和频率有关Depend on frequency
负载电容 (Motional Capacitance)		20pF		Need to specify
静态电容 (Shunt Capacitance)		5.0pF Max.		和频率有关Depend on frequency
激励电平 (Drive Level)		100 μw Typical		和频率有关Depend on frequency
第一年老化率 (Aging[first year])		$\pm 5\text{ppm}$ Max.		$25 \pm 3^{\circ}\text{C}$
绝缘阻抗 (Insulation Resistance)		500Mohm Min.		DC100V $\pm 15\text{V}$
包装方式 (Packing unit)		3000pcs/reel		

■ 谐振电阻 (SERIES RESISTANCE)

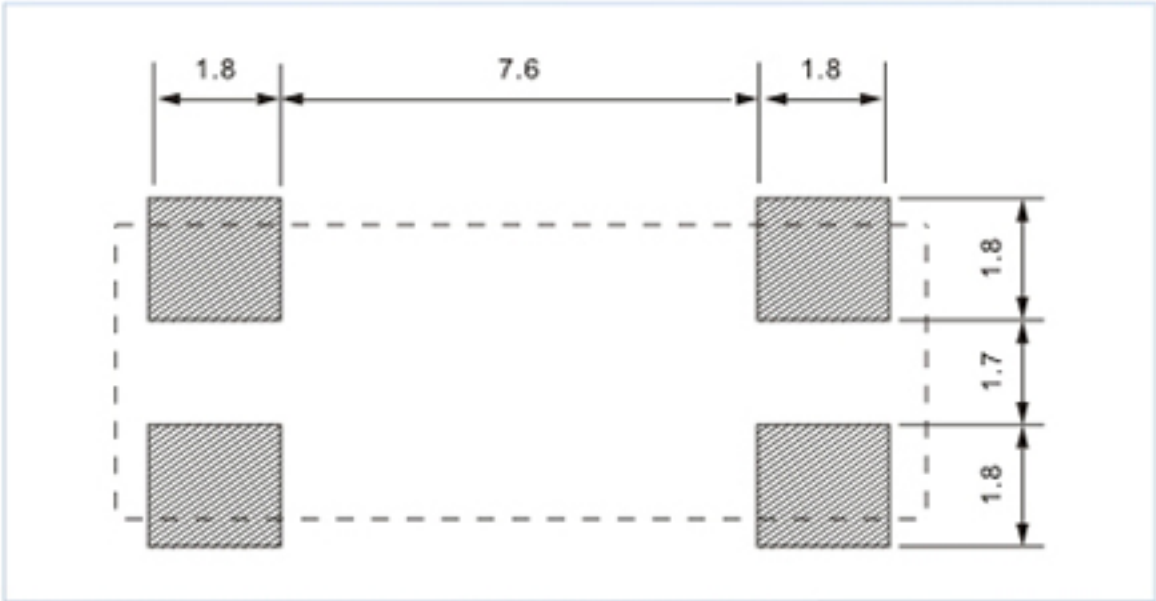
频率范围(Freq. Range)	3.5-4MHz	4.01-6MHz	6.01-10MHz	10.01-27MHz	27.01-36MHz		36.01-70MHz
振动模式(mode)	Fund.	Fund.	Fund.	Fund.	Fund.	3rd Overtone	3rd Overtone
谐振电阻(Series Resistance)	150ohmMax.	120ohmMax..	80ohmMax.	50ohmMax.	30ohmMax.	100ohmMax.	100ohmMax.

■ OUTLINE DIMENSIONS(mm)

■ INTERNAL CONNECTIONS



■ SOLDER PATTERN



Remarks:
The part of the cylinder inside resin mold may be exposed, it dose not affect the characteristics of crystal unit.

说明:
树脂包装内的晶体外壳有可能会有部分露出，这不影响产品的性能。