

## Crystal Resonator (晶体谐振器) - KX49U

### Applications 应用

- Frequency sources, time references, video systems, communication systems, measuring instruments, computers, embedded systems, functional module 频率源, 时间基准, 视频系统, 通信系统, 测量仪器, 计算机, 嵌入系统, 功能模块等

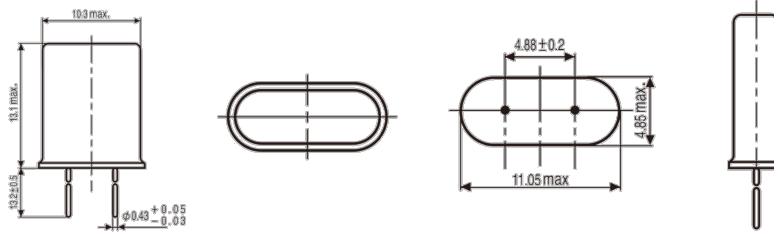


### General Specifications 规格参考

PARAMETER	性能参数	KX49U
Nominal Frequency	标准频率	1.8MHz ~ 210.0MHz
Oscillation Mode	振荡方式	基频/泛音
Equivalent Series Resistance	谐振电阻	5~500Ω
Frequency Tolerance (25°C±3°C)	调整频差	±5ppm~±30ppm
Load Capacitance	负载电容	Series or Parallel (8~32pF)
Storage Temperature Range	储存温度范围	-55~+125°C
Drive Level	激励电平	100μW typical, 500μW max
Shunt Capacitance	静电容	7pF max
Insulation Resistance	绝缘电阻	500MΩ min
Aging Per Year	老化率	±3ppm~±5ppm/year

Frequency Stability 温度频差 VS Operating Temperature Range 温度范围						
Temp. Code	Temp.\ppm	±10	±20	±30	±50	±100
B	-20~70°C	○	○	○	○	○
C	-40~85°C		○	○	○	○
F	-55~105°C				○	○
H	-55~125°C					○

### Outline Dimensions (Unit: mm) 外形尺寸

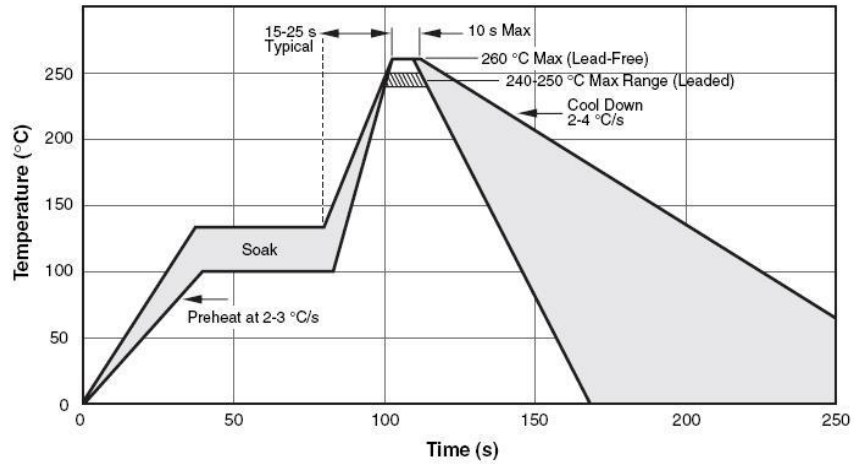


### Part Number Guide 产品编号

KX49U - 1.8432 - F - 20 - C - 30 - 30 - NS

型号	标称频率	振荡方式	负载	工作温度	调整频差	温度频差	特殊要求
'KX': 产品系列 '49U': 封装尺寸 MHz		F-基频 T-泛音		B: -20~+70°C C: -40~+85°C F: -55~+105°C H: -55~+125°C	05 = ±5ppm 10 = ±10ppm 15 = ±15ppm 20 = ±20ppm 30 = ±30ppm	10 = ±10ppm 20 = ±20ppm 30 = ±30ppm 50 = ±50ppm 100 = ±100ppm	'NS': 特殊要求

## Wave Solder Profile 波峰焊



Average Ramp-up Rate	升温速度	~200°C/Second
Heating Rate during preheat	预热速度	1~2°C/second typical; 4°C/second max
Final Preheat Temperature Ts	最终预热温度	~130°C
Peak Temperature Tp	最高温度	260°C
Time within +0°C/-5°C of actual temperature tp	实际温度时间	10 seconds
Ramp-Down Rate	降温速度	5°C/second max