

Crystal Resonator (晶体谐振器) - KX1040

Applications 应用

- Portable electronic products, frequency sources, time references, video systems, communication systems, measuring instruments, computers, embedded systems, functional module 便携式电子设备, 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

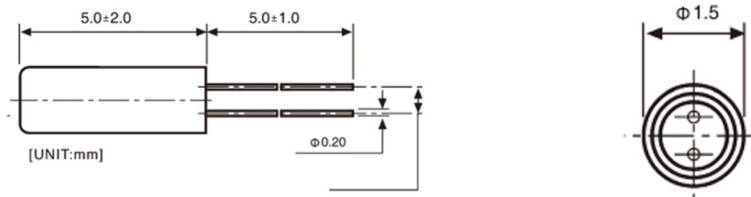


RoHS
Compliant
KOAN

General Specifications 规格参考

PARAMETER	性能参数	KX1040
Nominal Frequency	标准频率	32.768KHz
Oscillation Mode	振荡方式	基频
Equivalent Series Resistance	谐振电阻	40~80KΩ
Frequency Tolerance (25°C±3°C)	调整频差	±5ppm ~ ±20ppm
Load Capacitance	负载电容	12.5pF Typ.
Frequency Stability	温度频差	-0.035ppm * (T - 25)²
Operating Temperature Range	工作温度	-40°C min. +85°C max.
Storage Temperature Range	储存温度范围	-40~+85°C
Drive Level	激励电平	0.1μW typical, 0.5μW max
Shunt Capacitance	静电容	3pF max
Insulation Resistance	绝缘电阻	500MΩ min
Aging Per Year	年老化率	±3ppm ~ ±5ppm/year
Temperature Coefficient	频率温度系数	-0.035ppm/°C² max
Turnover Temperature	拐点温度	25°C ± 5°C

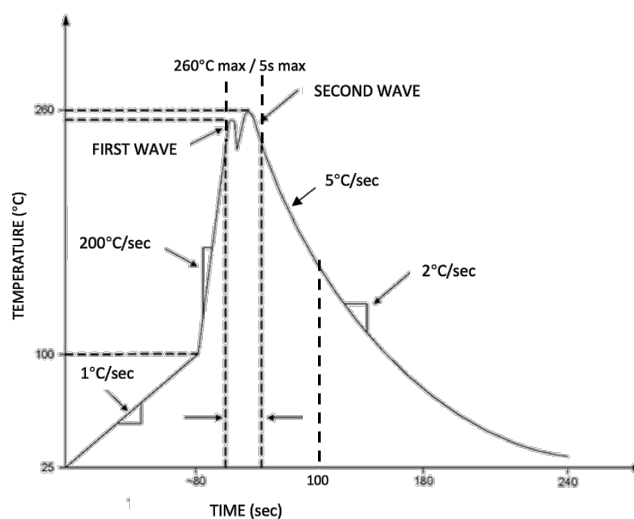
Outline Dimensions (Unit: mm) 外形尺寸



Part Number Guide 产品编号

<u>KX1040</u>	-	<u>32.768</u>	-	<u>F</u>	-	<u>12.5</u>	-	<u>A</u>	-	<u>15</u>	-	<u>NS</u>
↓		↓		↓		↓		↓		↓		↓
型号	-	标称频率	-	振荡方式	-	负载	-	工作温度	-	调整频差	-	特殊要求
'KX': 产品系列 '1040': 封装尺寸 KHz				F-基频				A: -10~+60°C B: -20~+70°C C: -40~+85°C		05 = ±5ppm 10 = ±10ppm 15 = ±15ppm 20 = ±20ppm		'NS': 特殊要求

Wave Solder Profile 波峰焊



Peak Wave Temperature	最高温	260°C max
Maximum Time across Both Waves	时间差	5 second max
Maximum Preheat Ramp Rate	预热速度	1°C/second typical; 4°C/second max
Ramp-Up Rate	升温速度	~200°C/second
Ramp-Down Rate	降温速度	5°C/second max