

Crystal Resonator (晶体谐振器) - KX3880

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

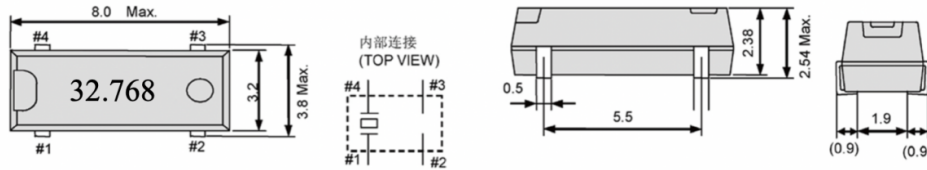
RoHS
Compliant
KOAN



General Specifications 规格参考

PARAMETER	性能参数	KX3880
Nominal Frequency	标准频率	32.768KHz
Oscillation Mode	振荡方式	基频
Equivalent Series Resistance	谐振电阻	30~50KΩ
Frequency Tolerance (25°C±3°C)	调整频差	±5ppm ~ ±20ppm
Load Capacitance	负载电容	6~12.5pF (6 or 12.5pF Typ.)
Frequency Stability	温度频差	-0.04ppm * (T - 25) ²
Operating Temperature Range	工作温度	-40~+85°C
Storage Temperature Range	储存温度范围	-55~+125°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	老化率	±3ppm~±5ppm/year
Temperature Coefficient	频率温度系数	0.04ppm/°C ² max
Turnover Temperature	拐点温度	25°C ± 5°C

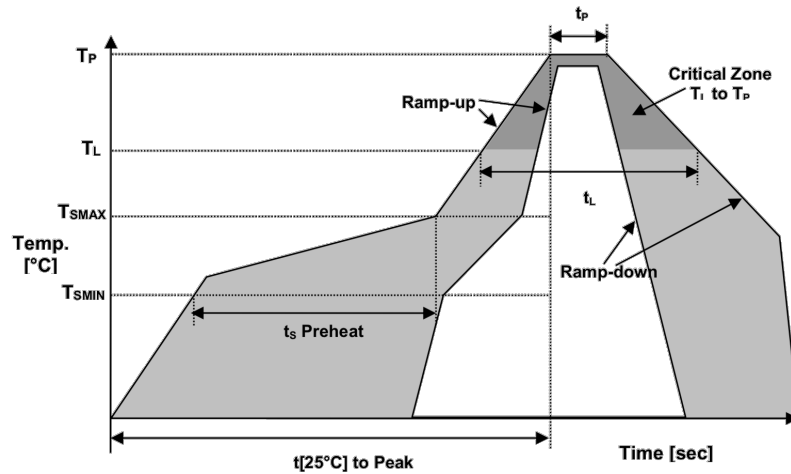
Outline Dimensions (Unit: mm) 外形尺寸



Part Number Guide 产品编号

KX3880	-	32.768	-	F	-	12.5	-	C	-	15	-	NS
↓		↓		↓		↓		↓		↓		↓
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 '3880': 封装尺寸 KHz				F-基频 T-泛音				C: -40~+85°C		05 = ±5ppm 10 = ±10ppm 15 = ±15ppm 20 = ±20ppm		'NS': 特殊要求

Reflow Profile 回流焊



Temperature Min Preheat	最低预热温度	T_{smin}	125°C
Temperature Max preheat	最高预热温度	T_{smax}	150°C
Time (T_{smin} to T_{smax})	时间差	t_s	30~60 sec
Temperature	温度	T_L	217°C
Peak Temperature	最高温	T_p	260 °C
Ramp-up Rate	升温速度	R_{up}	3°C/sec max
Ramp-down Rate	降温速度	R_{down}	6°C/sec max
Time within 5°C of Peak Temperature	最高温度停留时间	t_p	10 sec
Time $t[25°C]$ to peak temperature	25度到最高温度时间	$t[25°C]$ to peak	120 sec
Time	时间	t_L	60~150 sec