

Clock Oscillator (时钟振荡器) - KS14

Applications 应用

- Power equipment, program-controlled switching, automatic control, information platform, frequency source
- 电力设备, 程控交换, 自动控制, 信息平台, 频率源等



RoHS
Compliant
KOAN

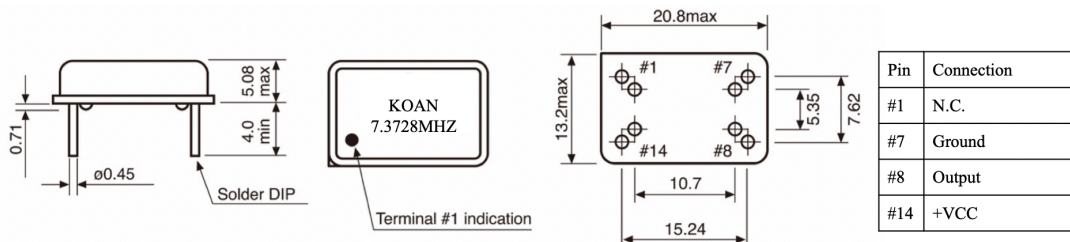
General Specifications 规格参考

PARAMETER	性能参数	KS14	
Frequency Range	频率范围	25.0KHz~200.0MHz	200.0KHz~125.0MHz
Supply Voltage	供给电压	+3.3V (±10%)	+5.0V(±10%)
Output Logic	输出波形	CMOS	
Output Load	输出负载	15pF	
Frequency Tolerance	调整频差	±5ppm ~ ±30ppm	
Current Consumption	工作电流	10~45mA max (frequency dependent)	
Output Logic High "1"	输出电平 高	0.9Vdd min	
Output Logic Low "0"	输出电平 低	0.1Vdd max	
Rise & Fall Time	上升下降时间	10ns max	
Start-up Time	起振时间	10ms max	
Duty Cycle	占空比	45~55%	
Aging Per Year	老化化率	±3ppm~±5ppm/year	
Storage Temperature Range	储存温度范围	-55°C ~ +125°C	

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		○	○	○	○
D	-20~105°C			○	○	○
E	-40~105°C				○	○
F	-55~105°C					○
G	-20~125°C					○

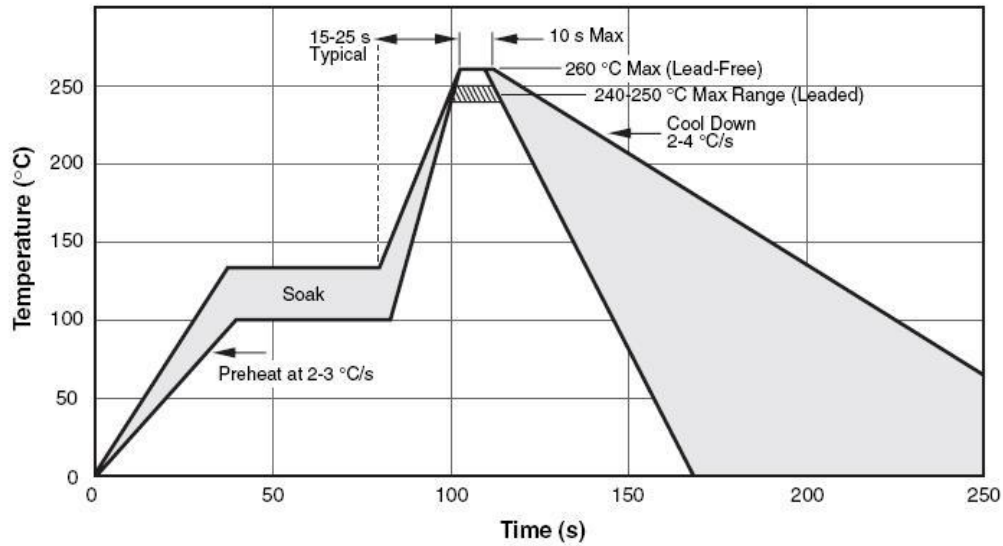
Outline Dimensions (Unit: mm) 外形尺寸



Part Number Guide 产品编号

型号	标称频率	工作电压	工作温度	温度频差	特殊要求
KS14	7.3728	33	C	30	NS
'KS':产品系列	(In MHz)	33 = 3.3V 50 = 5.0V	B: -20~+70°C C: -40~+85°C D: -20~+105°C E: -40~+105°C F: -55~+105°C G: -20~+125°C	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 T_s	最终预热温度	~130°C
Peak Temperature T_p	最高温度	260°C
Time within +0°C/-5°C of actual temperature t_p	实际温度时间	10 seconds
Ramp-Down Rate	降温速度	5°C/second max