

## Clock Oscillator (时钟振荡器) - KS14S

### 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

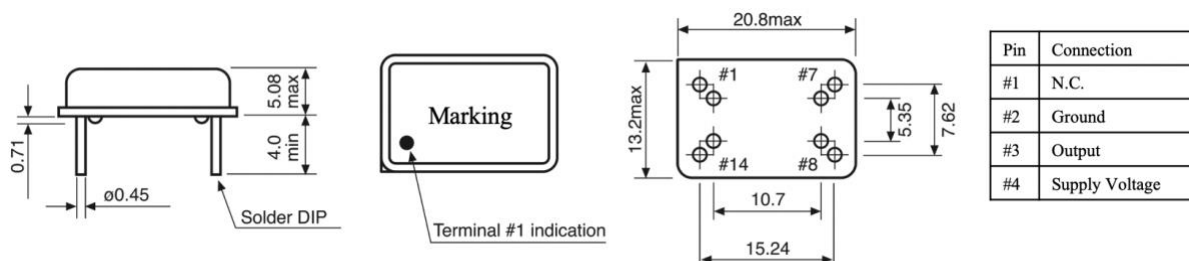
### General Specifications 规格参考

PARAMETER	性能参数	数值	
Frequency Range	频率范围	10~200MHz	10.0~156.250MHz
Supply Voltage	供给电压	+3.3V(±5%)	+5.0V (±10%)
Output Logic	输出波形	True Sine Wave 正弦波	
Frequency Tolerance	调整频差	±30ppm max	
Frequency Stability	温度频差	见下表	
Operating Temperature Range	温度范围	见下表	
Current Consumption	工作电流	20mA max	40mA max
Output Level	输出电平	Standard: +3.0dBm min Tolerance: ±1dBm Maximum Power: +7dBm	Standard: +5.0dBm min Tolerance: ±1dBm Maximum Power: +13dBm
Harmonics	谐波抑制	<-30dBc	<-25dBc
Start-up Time	起振时间	6.0ms typ.	2.0ms typ.
Storage Temperature Range	储存温度范围	-55°C ~ +125°C	
Aging Per Year	年老化率	±5ppm/year max	

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	-55~85°C			○	○	○
E	-55~105°C				○	○
F	-55~125°C					○

NOTE: Please consult for other specifications 若有其它规格需求请告知

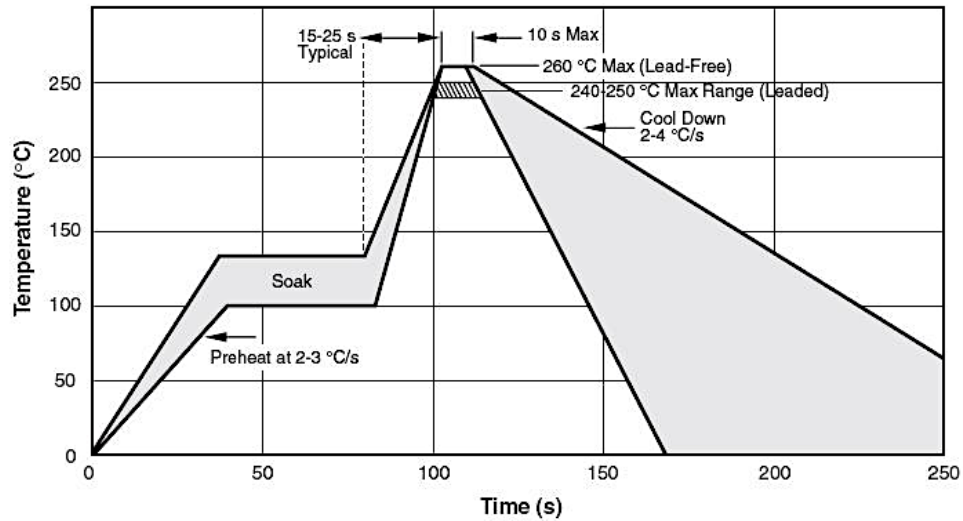
### Outline Dimensions (Unit: mm) 外形尺寸



## Part Number Guide 产品编号

KS14S	-	20.000	-	33	-	C	-	30	-	
封装	-	标称频率	-	工作电压	-	工作温度	-	温度频差	-	特殊要求
‘KS’: 产品系列 ‘14’: 封装尺寸 DIP-14 ‘S’: 输出波形 TRUE SINE				33=3.3V 50=5.0V		B: -20~+70°C C: -40~+85°C D: -55~+85°C E: -55~+105°C F: -55~+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 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

## Revision 版本

版本 Rev.	修改页 Revise Page	修改内容 Revise Contents	日期 Date	修改人 Reviser
0	N/A	Initial issue	2020.09.27	JH