

## Clock Oscillator (时钟振荡器) - KS08

### Applications 应用

Computer control, railway measurement and control, intelligent systems, instrument, frequency sources 电脑控制, 铁路测控, 智能系统, 仪器仪表, 频率源等



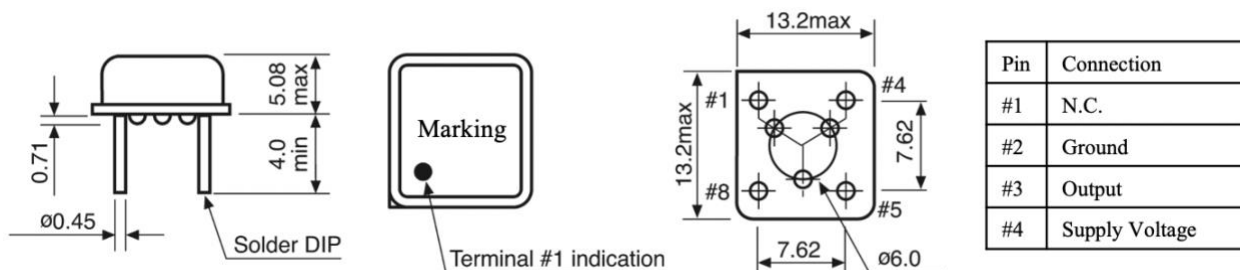
### General Specifications 规格参考

PARAMETER	性能参数	数值	
Frequency Range	频率范围	25KHz~200MHz	200KHz~125MHz
Supply Voltage	供给电压	+3.3V (±10%)	+5.0V(±10%)
Output Logic	输出波形	CMOS	
Frequency Tolerance	调整频差	±5ppm ~ ±30ppm	
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	9~54mA (frequency dependent)	
Output Load	输出负载	15pF	
Start-up Time	起振时间	10ms max	
Duty Cycle	占空比	45~55%	
Rise & Fall Time	上升下降时间	5ns max	
Output Logic High "1"	输出电平 高	0.9Vdd min	
Output Logic Low "0"	输出电平 低	0.1Vdd max	
Storage Temperature Range	储存温度范围	-55°C ~ +125°C	
Aging Per Year	年老化率	±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		○	○	○	○
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

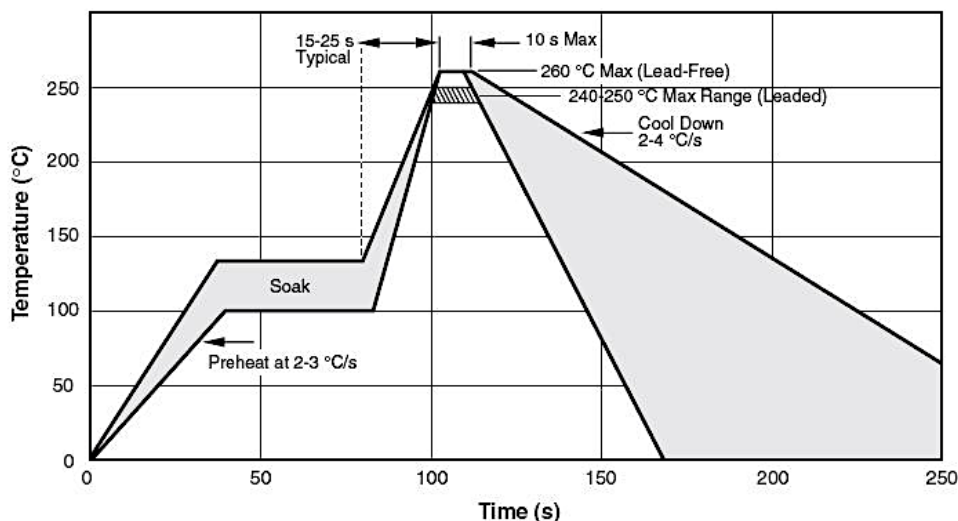
### Outline Dimensions (Unit: mm) 外形尺寸



## Part Number Guide 产品编号

KS08	-	7.3728	-	33	-	C	-	30	-
封装	-	标称频率	-	工作电压	-	工作温度	-	温度频差	-
'KS':产品系列				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