

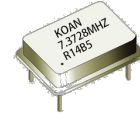
## Clock Oscillator (时钟振荡器) - KS14W

### Feature 特征

- Wide operating temperature range from -55°C to +125°C

### 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



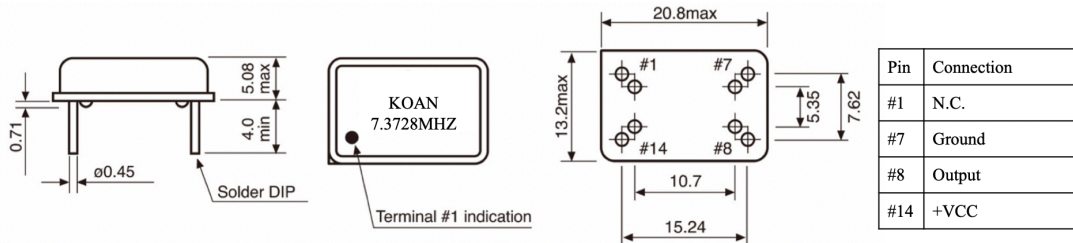
RoHS  
Compliant  
KOAN

### General Specifications 规格参考

PARAMETER	性能参数	KS14W			
Frequency Range	频率范围	1.75MHz ~ 60.0MHz			
Supply Voltage	供给电压	+1.8V (±10%)	+2.5V(±10%)	+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			
Frequency Stability	温度稳定性	±50ppm , ±100ppm			
Operating Temperature Range	工作温度范围	-55°C ~ +125°C			
Current Consumption	工作电流	4mA max	5mA max	6mA max	8mA max
Output Level High "1"	输出电平 高	0.9Vdd min			
Output Level Low "0"	输出电平 低	0.1Vdd max			
Phase Noise	相位噪声	-94 @ 10Hz (26MHz 3.3V)			
Rise & Fall Time	上升下降时间	10ns max			
Start-up Time	起振时间	5ms max			
Duty Cycle	占空比	45~55%			
Aging Per Year	年老化率	±3ppm~±5ppm/year			
Storage Temperature Range	储存温度范围	-55°C ~ +125°C			

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

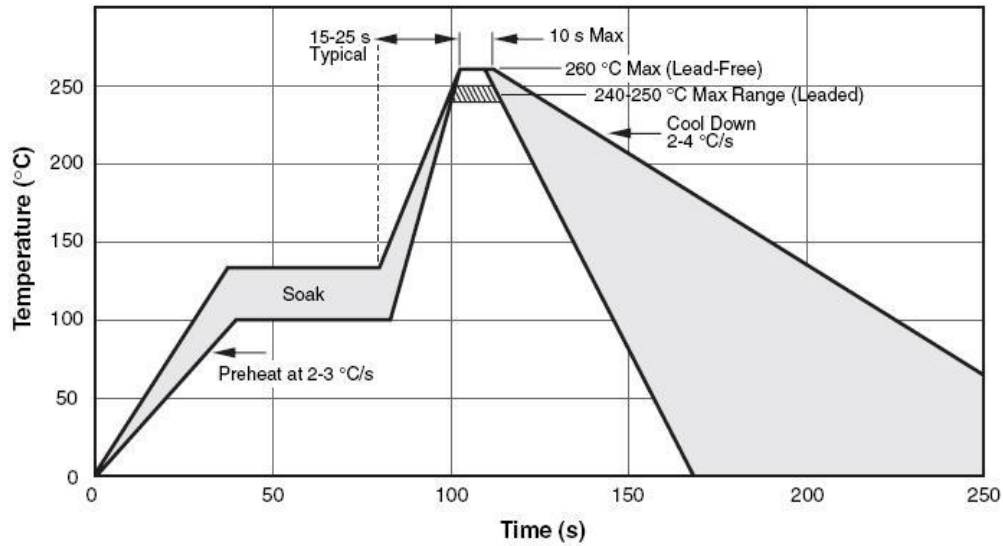
### Outline Dimensions (Unit: mm) 外形尺寸



### Part Number Guide 产品编号

<b>KS14W</b>	-	<b>7.3728</b>	-	<b>33</b>	-	<b>H</b>	-	<b>50</b>	-	<b>NS</b>
↓		↓		↓		↓		↓		↓
型号	-	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 'W':宽温特性		(In MHz)		18=1.8V 25=2.5V 33=3.3V 50=5.0V		H: -55~+125°C		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