

Clock Oscillator (时钟振荡器) - KS20W

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

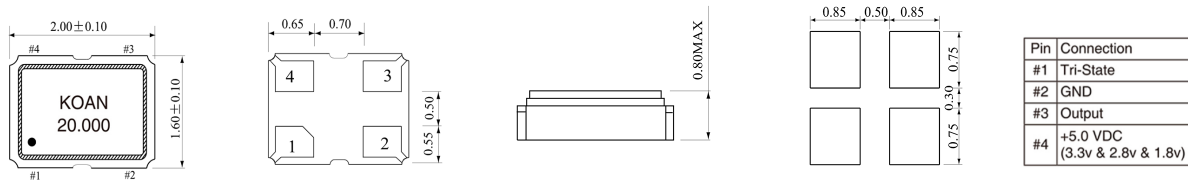


General Specifications 规格参考

PARAMETER	性能参数	KS20W		
Frequency Range	频率范围	1.0MHz ~ 54.0MHz		
Supply Voltage	供给电压	+1.8V (±10%)	+2.5V(±10%)	+3.3V(±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
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

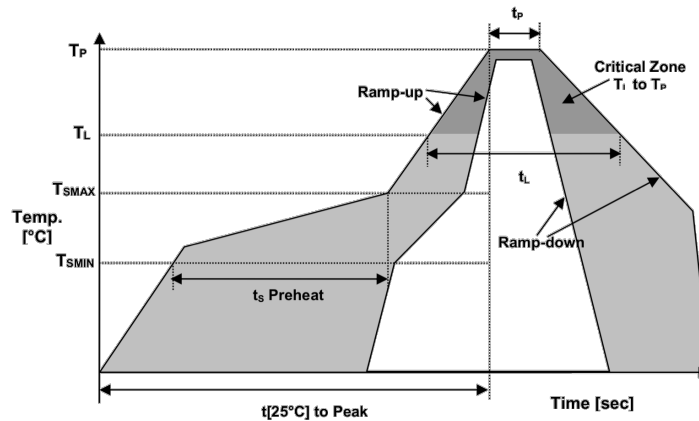


Part Number Guide 产品编号

KS20W - **20.000** - **33** - **H** - **50** - **NS**

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 '20':封装尺寸 SMD 2.0x1.6mm 'W':宽温特性	(In MHz)	18=1.8V 25=2.5V 33=3.3V	H: -55~+125°C	50 = ±50ppm 100 = ±100ppm	'NS':特殊要求

Reflow Profile 回流焊



Temperature Min Preheat	最低预热温度	T_{smin}	150°C
Temperature Max preheat	最高预热温度	T_{smax}	200°C
Time (T_{smin} to T_{smax})	时间差	T_s	60~120 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	30 sec
Time $t[25^\circ\text{C}]$ to peak temperature	25度到最高温度时间	$t[25^\circ\text{C}]$ to peak	480 sec
Time	时间	t_L	60~150 sec