

Clock Oscillator (时钟振荡器) - KJ32

Feature 特征 Low phase noise 0.2pS max (RMS 12KHz~20MHz) @ 3.3V

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

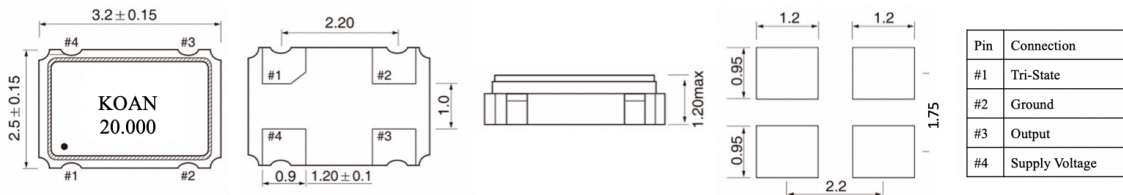
PARAMETER	性能参数	KJ32
Frequency Range	频率范围	5.0MHz ~ 160.0MHz
Supply Voltage	供给电压	+3.3V (±10%)
Output Logic	输出波形	CMOS
Output Load	输出负载	15pF
Frequency Tolerance	调整频差	±5ppm ~ ±30ppm
Current Consumption	工作电流	25mA max
Output Logic High "1"	输出电平 高	0.9V _{dd} min
Output Logic Low "0"	输出电平 低	0.1V _{dd} max
RMS Jitter [49.152MHz@3.3V]	抖动	0.2pS max (12KHz~20MHz)
Phase Noise [49.152MHz@3.3V]	相位噪声	-90dBc@10Hz; -100dBc@100Hz
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					○

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

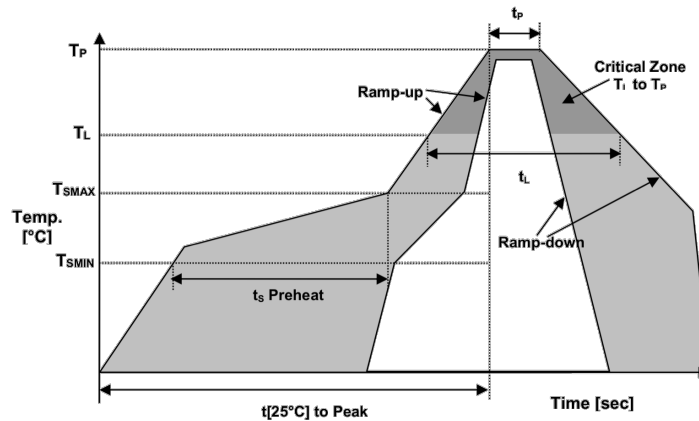


Part Number Guide 产品编号

KJ32 - **20.000** - **33** - **C** - **30** - **NS**

型号	标称频率	工作电压	工作温度	温度频差	特殊要求
'KJ':产品系列 K=KOAN J=低抖动 '32':封装尺寸 SMD3.2x2.5mm	(In MHz)	33=3.3V	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

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