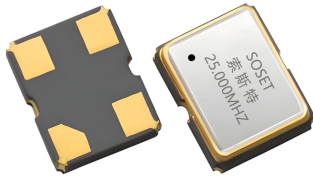


晶体振荡器XO2016 Crystal Oscillators



●特征Features :

- Package Size : 2.0*1.6*0.75
- Frequency Range: 32.768KHz, 1-125MHZ or specify .
- High precision and high frequency stability.- Extremely good for reducing EMI effect.

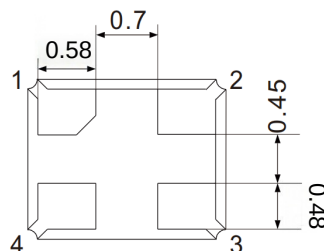
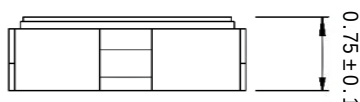
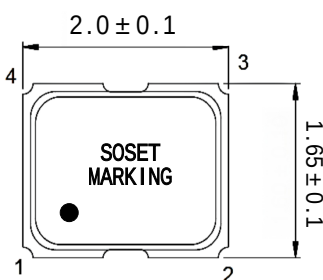
●应用领域Applications:

- Smartphones, PC peripherals, Industrial Personal Computers (IPC), servers, storage, Ethernet, audio and video processors, AI vision processing units, FPGA, CPU, GPU, MCU, BMC, etc.

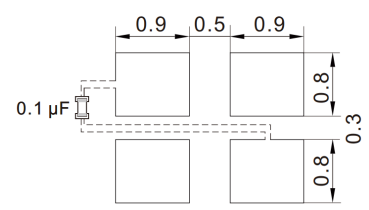
●电气规格Electrical Specifications

频率范围 Frequency Range	32.768KHz, 1-125MHZ			
输出模式 Output Type	CMOS			
供电电压 Supply voltage	1.8V, 2.5V, 3.3V, 5V			
频率偏差 Frequency Stability	±20ppm, ±50ppm, or specify			
工作温度范围 Operating Temperature Range	-40~+85°C, or specify			
输出电压 Output Voltage	VOH 90%VDD Min, VOL 10%VDD Max			
输出负载 Output Load	15pF			
占空比 Duty Cycle	40%-55%			
上升/下降时间 Rise/fall time	5ns max			
启动时间 Start-Up Time	3ms Max			
储存温度 Storage Temperature	-55~+125°C			
老化率 Aging(At25°C)	±3ppm/year			
相位抖动 Phase Jitter(12KHz ~ 20MHz)	1ps Max			
消耗电流 Current consumption	32.768KHz	1-40MHz	41-54MHz	55-125MHz
	1mA max	5mA max	10mA max	35mA max

●尺寸和焊盘Package Dimensions & Recommended Land Pattern (Unit: mm)



Pin#	Connection
1	Tri-state
2	GND
3	Output
4	VDD



To ensure optimal oscillator performance, place a by-pass capacitor of 0.1uF as close to the part as possible between Vdd and GND pads.