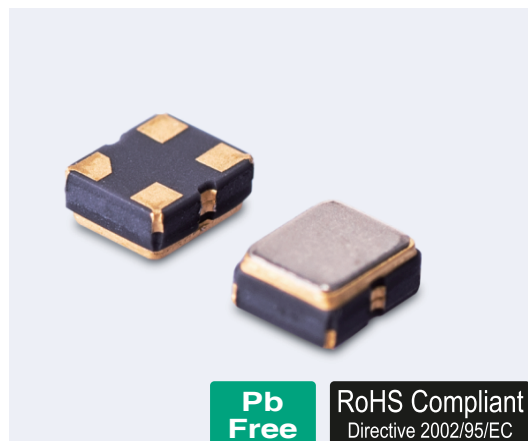# 2.0x1.6 SMD Crystal Oscillator

FEATURE

- Tight frequence tolerance.
- CMOS compatible logic levels.
- Pin-compatible with standard 2.0×1.6mm packages.
- Designed for standard reflow and washing techniques.
- Low power standby mode.
- Pb-free and RoHS/Green compliant.

APPLICATIONS

- Ideally suited designed for use in Ethernet, network adapter cards,hard disk devices,blue tooth,PCMCIA Cards, Palmtop Computer, Portable Applications.

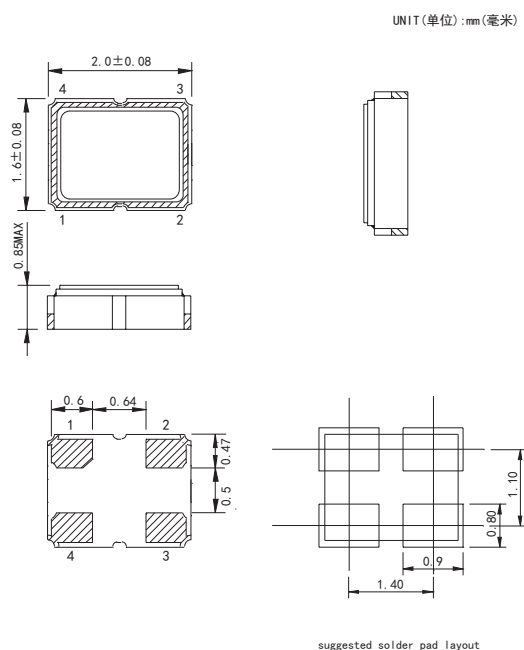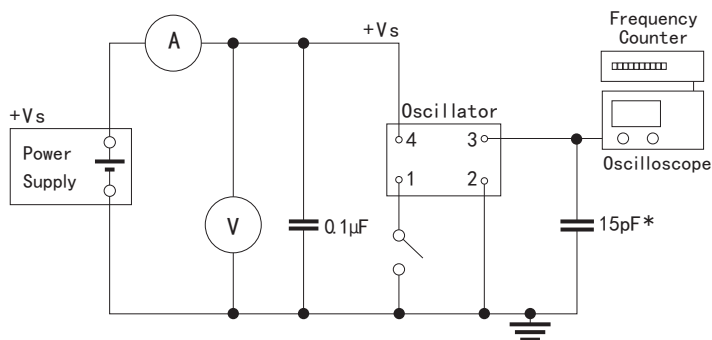Pb Free

RoHS Compliant
Directive 2002/95/EC

● Electrical Specifications 电气参数

型号	Holder Type	2.0x1.6mm SMD OSCILLATOR
频率范围	Frequency Range	1.000 Mhz to 64 MHz
总频差	Frequency Stability	±20ppm to ±50ppm
输入电压	Supply Voltage	3.3V ±10％※(See Notes)
工作温度范围	Operating Temperature Range	-20℃ - +70℃ / -40℃ - +85℃
储存温度范围	Storage Temperature Range	-40℃ - +85℃/-55℃ - +125℃
占空比	Symmetry （Duty Cycle）	45/55 Standard
输出	Output Load	15pF Hcmos or 10 TTL
消耗电流	Current Consumption （15pf only）	1.000Mhz - 49.999Mhz=20mA max
	(3.3V)	50.000Mhz - 64.000Mhz=30mA max
	Current Consumption （15pf only）	1.000Mhz - 49.999Mhz=15mA max
	（1.8V 2.5V 2.8V）	50.000Mhz - 64.000Mhz=25mA max
上升/下降时间	Rise/Fall Time	5 nS max

※Notes:The supply voltage 1.8V,2.5V,2.85V also can be made by customer.

● Mechanical Dimensions 外型尺寸

UNIT(单位):mm(毫米)

suggested solder pad layout

PIN	FUNCTION
1	Tri-state※(See Notes)
2	Ground
3	Output
4	Vdd

※Notes:
Tri-state: PIN 1 connected to Vdd or floating, the product is working properly;connected to GND, stops working.

● Test Circuit（测试电路）

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