

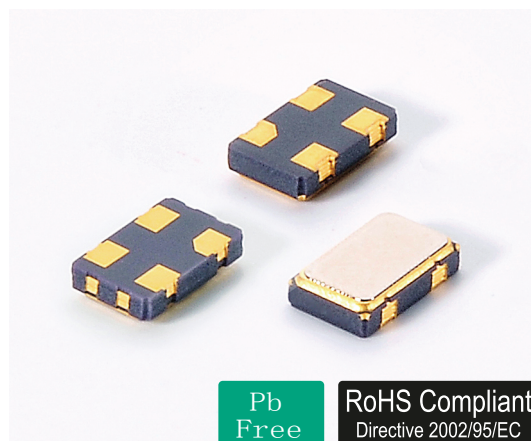
# 5.0x3.2 SMD OSCILLATOR

## FEATURE

- Tight frequency tolerance.
- Pin-compatible with standard 5.0x3.2mm packages.
- Low power standby mode.
- surface mounting and automatically loaded.
- Reflow solder is possible.
- Lower noise and current with reduced power consumption.
- Built-in C-MOS IC with tri-state function.
- Pb-free and RoHS/Green compliant.

## APPLICATIONS

- Ideally suited designed for use in Ethernet, fiber channel, PCs, NB, PCMCIA Cards, Palmtop Computer, Portable Applications.

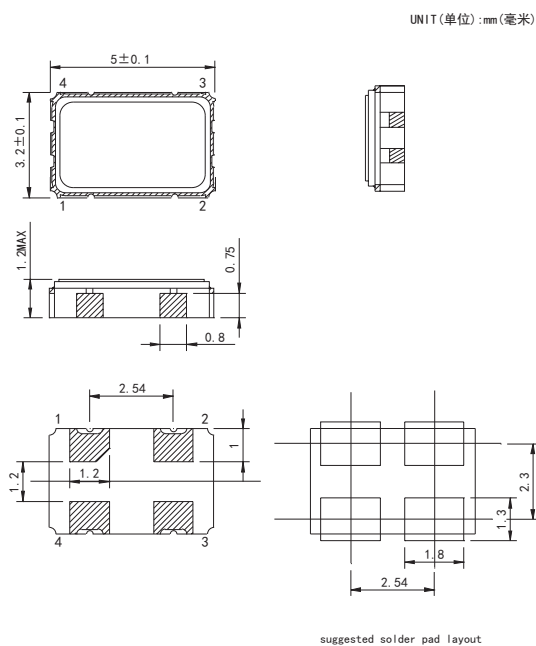


## Electrical Specifications 电气参数

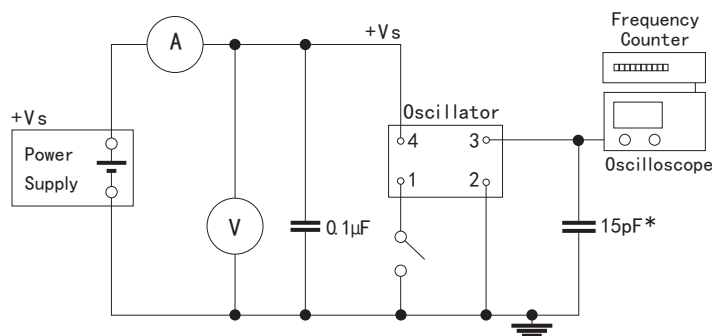
| 型号      | Holder Type                     | 5.0x3.2mm SMD OSCILLATOR                                                                       |
|---------|---------------------------------|------------------------------------------------------------------------------------------------|
| 频率范围    | Frequency Range                 | 32.768KHz, 1.000 Mhz to 125.000 MHz                                                            |
| 总频差     | Frequency Stability             | $\pm 20\text{ppm}$ to $\pm 50\text{ppm}$                                                       |
| 输入电压    | Supply Voltage                  | 5.0V or 3.3V $\pm 10\%$ ※(See Notes)                                                           |
| 工作温度范围  | Operating Temperature Range     | $-20^{\circ}\text{C}$ - $+70^{\circ}\text{C}$ / $-40^{\circ}\text{C}$ - $+85^{\circ}\text{C}$  |
| 储存温度范围  | Storage Temperature Range       | $-40^{\circ}\text{C}$ - $+85^{\circ}\text{C}$ / $-55^{\circ}\text{C}$ - $+125^{\circ}\text{C}$ |
| 占空比     | Symmetry (Duty Cycle)           | 40/60 Standard                                                                                 |
| 输出      | Output Load                     | 10 TTL or 15pF Hcmos                                                                           |
| 消耗电流    | Current Consumption (15pf only) | 1.000Mhz - 35.999Mhz=25mA max                                                                  |
|         |                                 | (5.0V)                                                                                         |
|         |                                 | 36.000Mhz - 69.999Mhz=60mA max                                                                 |
|         | Current Consumption (15pf only) | 70.000Mhz - 100.000Mhz=80mA max                                                                |
|         |                                 | 1.000Mhz - 35.999Mhz=20mA max                                                                  |
|         |                                 | ( 1.8V 2.5V 2.85V 3.3V)                                                                        |
|         |                                 | 36.000Mhz - 69.999Mhz=40mA max                                                                 |
|         |                                 | 70.000Mhz - 125.000Mhz=60mA 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



## Test Circuit (测试电路)



| 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.

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