

## 5x7 SMD OSCILLATOR(HCOMS/TTL)



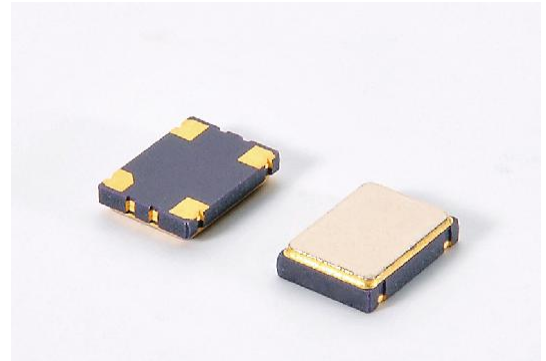
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### FEATURE

- CMOS compatible logic levels.
- Pin-compatible with standard 7.0×5.0mm packages.
- High precision characteristic covering up to high frequency range.
- Low jitter and tight stability with fundamental or overtone Design.
- Low power standby mode.
- Output Tri-state function.
- Embossed tapping specification.
- Reflow soldering.
- Pb-free and RoHS/Green compliant.

### APPLICATIONS

- Ideally suited designed for discdrives, NB, Networking, GPS/Navigation, Bluetooth, Ethernet, ADSL, VDSL, Fiber channel hand-held electronic products.

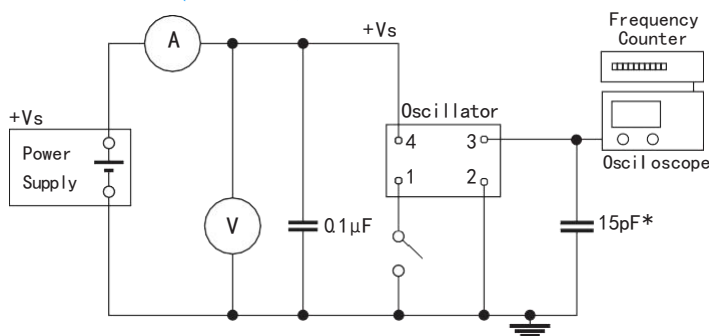


### Electrical Specifications 电气参数

| 型号      | Holder Type                                                | 5x7mm SMD OSCILLATOR                |
|---------|------------------------------------------------------------|-------------------------------------|
| 频率范围    | Frequency Range                                            | 32.768KHz, 1.000 MHz to 150.000 MHz |
| 总频差     | Frequency Stability                                        | ±20ppm to ±50ppm                    |
| 输入电压    | Supply Voltage                                             | 5.0V or 3.3V ±10% ※(See Notes)      |
| 工作温度范围  | Operating Temperature Range                                | -20°C - +70°C / -40°C - +85°C       |
| 储存温度范围  | Storage Temperature Range                                  | -40°C - +85°C/-55°C - +125°C        |
| 占空比     | Symmetry (Duty Cycle)                                      | 40/60 Standard                      |
| 输出      | Output Load                                                | 15pF Hcmos                          |
| 消耗电流    | Current Consumption (15pf only)<br>(5.0V)                  | 1.000Mhz - 35.999Mhz=25mA max       |
|         |                                                            | 36.000Mhz - 69.999Mhz=60mA max      |
|         |                                                            | 70.000Mhz - 150.000Mhz=80mA max     |
|         | Current Consumption (15pf only)<br>( 1.8V 2.5V 2.85V 3.3V) | 1.000Mhz - 35.999Mhz=20mA max       |
|         |                                                            | 36.000Mhz - 69.999Mhz=40mA max      |
|         |                                                            | 70.000Mhz - 150.000Mhz=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.

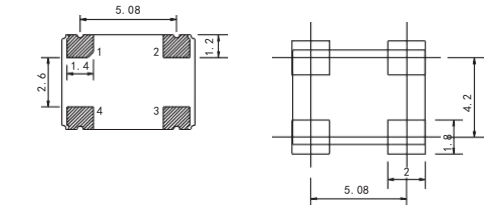
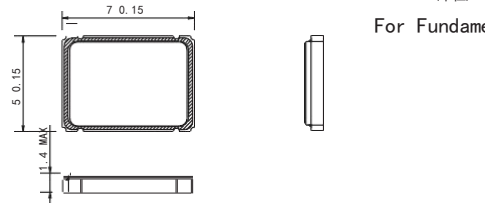
### Test Circuit(测试电路)



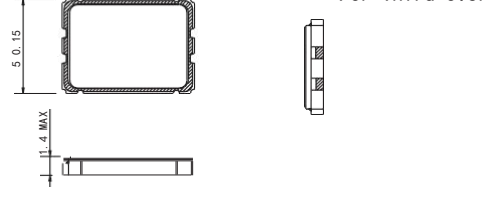
### Mechanical Dimensions 外型尺寸

UNIT (单位): mm (毫米)

For Fundamental



For Third Overtone



suggested solder pad layout

| PIN | FUNCTION         |
|-----|------------------|
| 1   | N/C or Tri-state |
| 2   | Ground           |
| 3   | Output           |
| 4   | Vdd              |

