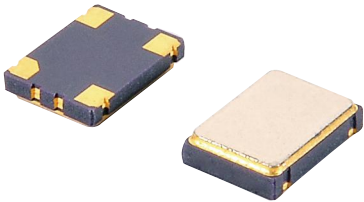


# 5x7 SMD OSCILLATOR(HCMOS/TTL)

## Part Number Guide

T-V-S-FF.FFFM- FS-OT

**T**(Type型号):0F=5×7×1.4mm Max ceramic osc(side pad)  
**V**(Input Voltage输入电压):1.8=1.8V 2.5=2.5V 2.85=2.85V 3=3.3V 5=5.0V, etc  
**S**(Symmetry占空比):5=45/55 Max 6=40/60 Max  
**F**(Frequency标称频率):Normal - 5 digitals of Frequency, e.g. 8.0000M, 12.000M  
Special - All digitals of Frequency, e.g. 13.225625M  
**FS**(Frequency Stability总频差):50=±50 ppm, etc  
**OT**(Operating Temperature工作温度):0070= 0°C to +70°C 4085= -40°C to +85°C, etc  
**A**(Automotive车载应用)

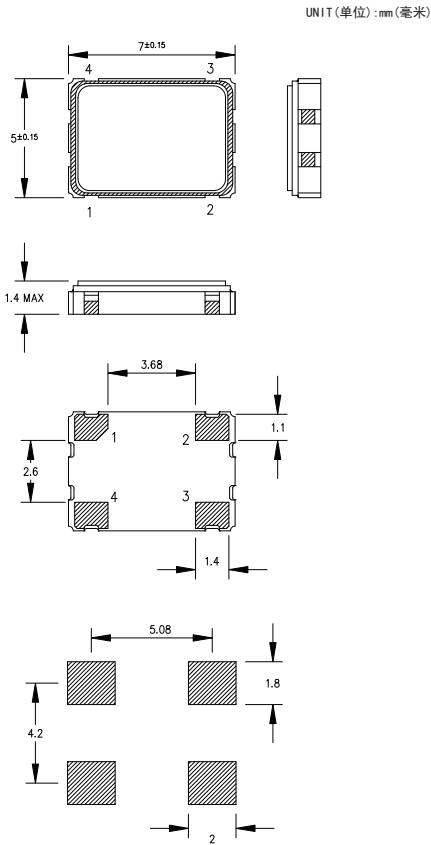


Pb Free RoHS Compliant

## Electrical Specifications 电气参数

| Item 项目                         | Spec 规格                              |      | Condition 条件                                                                                       |
|---------------------------------|--------------------------------------|------|----------------------------------------------------------------------------------------------------|
| Frequency Range<br>频率范围         | 0.032768MHZ 1MHz~156.25MHZ           |      | For further questions regarding specifications, please feel free to contact us.<br>对于超出标准的规格，请联系我们 |
| Operating Voltage<br>工作电压（V）    | 1.8V~5.5V                            |      |                                                                                                    |
| Frequency Stability<br>总频差      | ±50ppm@-40~85°C<br>±100ppm@-55~125°C |      |                                                                                                    |
| Output Waveform<br>输出波形         | HCMOS 方波                             |      |                                                                                                    |
| Output Load<br>输出负载             | 15pF                                 |      |                                                                                                    |
| Symmetry (Duty Cycle)<br>占空比（%） | 45~55                                |      |                                                                                                    |
| Rise/Fall Time<br>上升/下降时间（ns）   | 32.768KHz                            | <100 | 0.1Vdd→0.9Vdd                                                                                      |
|                                 | 1~10MHz                              | <10  |                                                                                                    |
|                                 | 10~40MHz                             | <6   |                                                                                                    |
|                                 | 40~156.25MHz                         | <3   |                                                                                                    |
| Current Consumption<br>消耗电流（mA） | 32.768KHz                            | <0.1 | 3.3V, 无负载<br>3.3V, No Load                                                                         |
|                                 | 1~40MHz                              | <5   |                                                                                                    |
|                                 | 40~60MHz                             | <10  |                                                                                                    |
|                                 | 60~100MHz                            | <20  |                                                                                                    |
|                                 | 100~156.25MHz                        | <30  |                                                                                                    |

## Mechanical Dimensions 外型尺寸



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