

SMD  
Crystal Oscillator  
5.0x3.2x1.2mm Series



Features

- Extremely Small SMD seam sealed clock oscillator units.
- Applications for smart phone, sip module, variety of compact portable consumer products
- Tri-state function available.
- High reliable environmental performance.



| Electrical Specifications                    |                                   |
|----------------------------------------------|-----------------------------------|
| Item / Type                                  |                                   |
| Frequency Range 频率范围                         | 1 ~ 200MHZ                        |
| Output Type 输出模式                             | COMS                              |
| Oscillation Mode 震荡模式                        | Fundamental / 3rd Overtone        |
| Supply Voltage 电源电压                          | 1.8 V 2.5 V , 2.8 V , 3.3 V 5V    |
| Output Load 负载驱动能力                           | 15 pF , or specify                |
| Frequency Stability 频率稳定度                    | ± 20 ppm , ± 30 ppm               |
| Operating Temperature Range 工作温度             | - 4 0 ~ + 85 °C , - 40 ~ + 105 °C |
| Storage Temperature Range 储存稳度               | - 55 ~ + 125 °C                   |
| Voltage Vol ( Max. ) / Voh ( Min. ) 电压最大/最小值 | 0.1 VDD / 0.9 VDD                 |
| Rise ( Tr ) / Fall ( Tf ) Time 上升/下降时间       | 8 ns Max.                         |
| Supply Current 输入电流                          | 15 mA Max.                        |
| Symmetry 对称比                                 | 45 ~ 55 %                         |
| Start-up Time 起振时间                           | 5 ms Max.                         |
| Phase Jitter ( 12 KHz ~ 20 MHz )相位抖动         | 1 ps Max.                         |
| Aging ( at 25 °C ) 年老化率                      | ± 3 ppm / year Max.               |

