

# SMD Crystal Oscillator 3.2x2.5x1.0mm Series



## Features

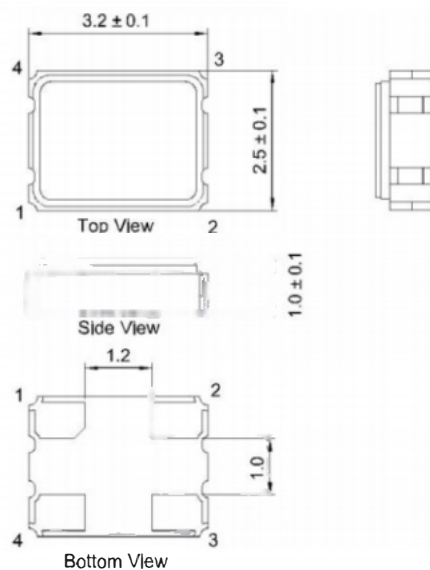
- Extremely Small SMD seam sealed clock oscillator units.
- Applications for smart phone, sip module, variety of compact portable consumer products
- Tri-state function available.
- High reliable environmental performance.



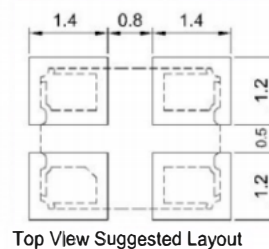
## Electrical Specifications

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	5 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.

## Dimensions



PAD FUNCTION:  
 1: ENABLE CONTROL  
 2: GND  
 3: OUT  
 4: VDD



Units: mm