

# SMD Crystal Oscillator 3.2 x 2.5 x 1.0 mm 3J Series



## Features

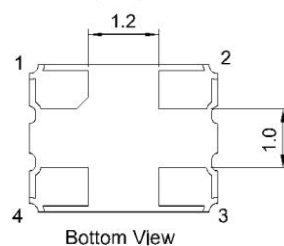
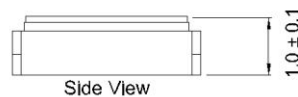
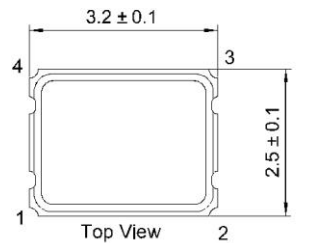
- Ultra Small SMD seam sealed clock crystal oscillator units.
- For applications in WLAN, Bluetooth, DSC, DSL and other IT product.
- Tri-state function available.



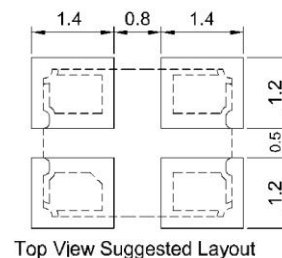
## Electrical Specifications

Item / Type	
Frequency Range	1 ~ 200 MHz
Output Type	COMS
Oscillation Mode	Fundamental / 3rd Overtone
Supply Voltage	1.8 V 2.5 V , 2.8 V , 3.3 V 5v
Output Load	15 pF , or specify
Frequency Stability	± 20 ppm , ± 30 ppm
Operating Temperature Range	- 20 ~ + 75 °C , - 40 ~ + 85 °C
Storage Temperature Range	- 55 ~ + 125 °C
Voltage Vol ( Max. ) / Voh ( Min. )	0.1 VDD / 0.9 VDD
Rise ( Tr ) / Fall ( Tf ) Time	8 ns Max.
Supply Current	15 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	5 ms Max.
Phase Jitter ( 12 KHz ~ 20 MHz )	1 ps Max.
Aging ( at 25 °C )	± 3 ppm / year Max.

## Dimensions



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



Units: mm