



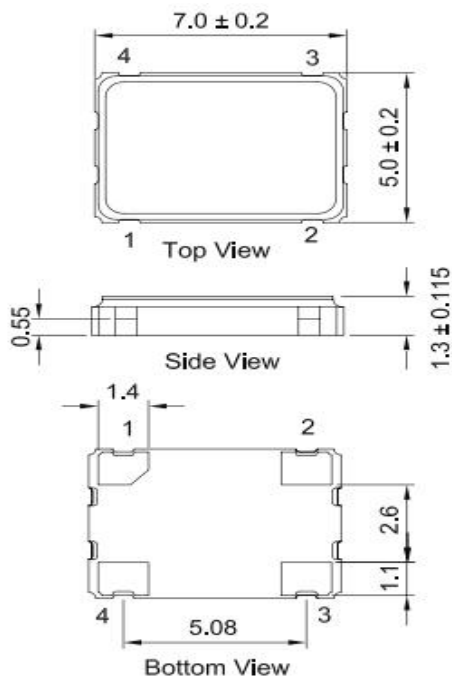
### Features

- Small SMD seam sealed clock crystal oscillator units.
- High precision characteristic covering up to wide frequency range.
- Designed for automatic mounting and reflow soldering.
- Tri-State function available.
- Supply voltage range : 1.8 V ~ 5.0 V.
- High stability, low jitter, low power consumption.
- Main application : wireless communication, PC, and LCDM.DSC.
- RoHS Compliant / Pb Free.

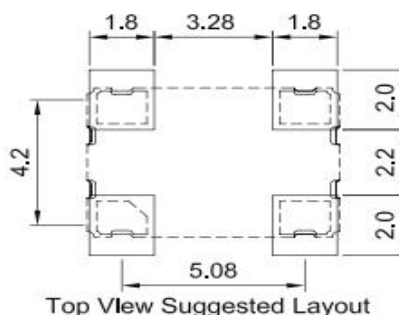
### Crystals specifications

| ITEMS (项目)                              |                      | PARAMETER (规格说明) 075                               |
|---|----------------------|--|
| Output Type(输出模式)                       |                      | CMOS   |
| Output Load(输出负载条件)                     |                      | 15 pF , 30 pF                                      |
| Oscillation Mode(振荡模式)                  |                      | Fundamental / 3rd Overtone                         |
| Supply Voltage(电源电压)                    |                      | 1.8±10%V ; 2.5±10%V ; 2.8±10%V ; 3.3±10%V; 5±10%V; |
| Frequency Range(输出频率范围)                 |                      | 1 ~ 170 MHz  |
| Frequency Stability                     |                      | ± 20 ppm , ± 25 ppm , ± 30 ppm , ± 50 ppm          |
| Operating Temperature Range(工作温度)       |                      | - 10 ~ + 70 ℃ , - 40 ~ + 85 ℃                      |
| Storage Temperature Range(储存温度)         |                      | - 55 ~ + 125 ℃                                     |
| Oscillating voltage(振荡电压)               | Voltage Vol ( Max. ) | 10 % VCC Max.                                      |
|   | Voltage Voh ( Min. ) | 90 % VCC Min                                       |
| Rise ( Tr ) / Fall ( Tf ) Time: 上升/下降时间 |                      | 8 ns Max.  |
| Current Consumption ( 功耗 )              |                      | 20 mA Max.   |
| Symmetry(占空比)                           |                      | 40 ~ 60 %  |
| Start-up Time(振荡启动时间)                   |                      | 5 ms Max.  |
| Phase Jitter ( 12 KHz ~ 20 MHz )        |                      | 1 ps Max.  |
| Aging ( at 25 ℃ )频率老化                   |                      | ± 3 ppm / year Max.                                |
| Packing Unit(包装单位)                      |                      | 1, 000pcs/Reel                                     |

### Dimensions



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



Units: mm

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