

## Product Features

1. High precision and high frequency stability
2. 2 or 4 pads SMD glass sealed crystal
3. Provide clean and stable reference clock to a wide variety of ICs
4. Excellent heat resistance and environmental characteristic
5. Contain Pb in sealing glass exempted by RoHS directive
6. Industry Standard Package :  
3.2 x 2.5 x 0.8 mm (7V Series , 4 pad)  
3.2 x 2.5 x 0.85 mm (7V Series , 2 pad)

### Application :

- Desktop computer , Notebook , Printer
- Set-Top Box , Server
- Monitor , TV
- USB-Hub
- Game Console



Test condition

Ambient temperature :  $25 \pm 5^{\circ}\text{C}$

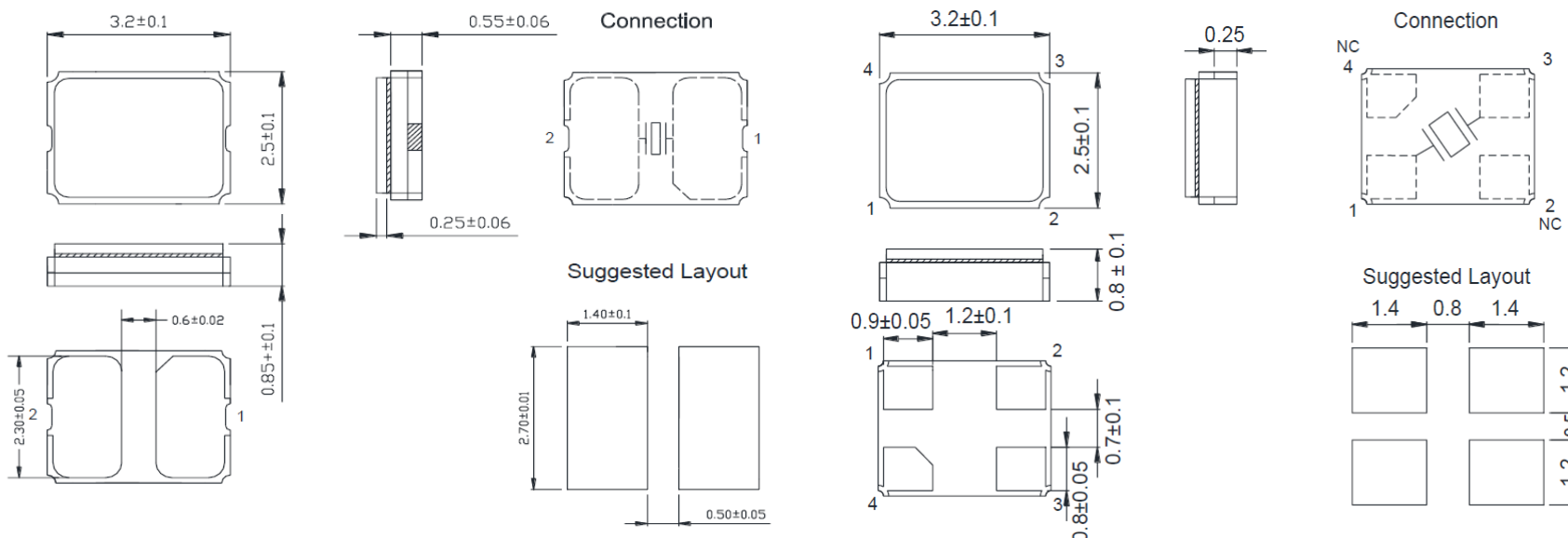
Relative humidity : 40% ~ 70%

### ● Table 1 . Electrical Specifications

| Parameters   | Symbol | Min.                | Typ. | Max. | Units              | Notes  |
|--|--------|---------------------|------|------|--------------------|--|
| Nominal Frequency  | F      | 8 ~ 55.4            |      |      | MHz                |  |
| Frequency Tolerance  | FT     | $\pm 10$            |      |      | ppm                | @ $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$ |
| Frequency Stability<br>Over Operating Temp. Range<br>(Reference $25^{\circ}\text{C}$ ) | ST     | $\pm 20$ , $\pm 30$ |      |      | ppm                | @ $-40 \sim 85^{\circ}\text{C}$              |
|  |        | $\pm 30$ , $\pm 50$ |      |      |                    | @ $-40 \sim 105^{\circ}\text{C}$             |
| Operating Temperature  | Topr   | -40                 | 25   | 105  | $^{\circ}\text{C}$ |  |
| Load Capacitance   | CL     | 6~20                |      |      | pF                 |  |
| Drive Level  | DL     | -                   | 100  | 300  | $\mu\text{W}$      |  |
| Equivalent Series Resistance   | ESR    | -                   | -    | 300  | Ohm                | 8~10MHz                                      |
|  |        | -                   | -    | 150  |                    | 10~16MHz                                     |
|  |        | -                   | -    | 50   |                    | 16~40MHz                                     |
|  |        | -                   | -    | 40   |                    | >40MHz                                       |
| Aging  | -      | $\pm 3$ , $\pm 5$   |      |      | ppm                | 1st Year                                     |

Note : The table shows common spec. if you have special spec. requirement , please feel free to contact our salesperson.

### ● Dimensions



(Unit : mm)

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