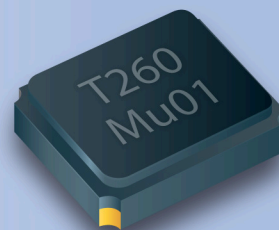


# SMD Glass Sealing Crystals

## 3.2 x 2.5 x 0.8 mm 7V Series

### Features

- 4 pads SMD glass sealed crystal.
- Applications in wireless communication ,DSC and USB interface card.
- Excellent heat resistance and environmental characteristics.
- Contain Pb in sealing glass exempted by RoHS directive.



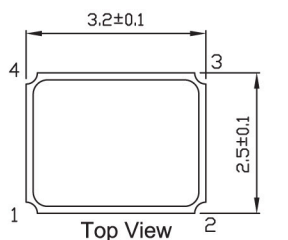
### Electrical Specifications

| Item / Type                                          | 7V                        |
|------------------------------------------------------|---------------------------|
| Frequency Range                                      | 9.9 ~ 54 MHz              |
| Frequency Tolerance (at 25 °C)                       | ± 30 ppm, or specify      |
| Frequency Stability Over Operating Temperature Range | ± 30 ppm, or specify      |
| Operating Temperature Range                          | -20 ~ + 70 °C, or specify |
| Shunt Capacitance (C0)                               | 3 pF Max.                 |
| Drive Level                                          | 1 ~ 50 μW (10 μW typical) |
| Load Capacitance                                     | 8 pF, 12 pF, or specify   |
| Aging (at 25 °C)                                     | ± 3 ppm / year Max.       |
| Storage Temperature Range                            | - 40 ~ + 85 °C            |

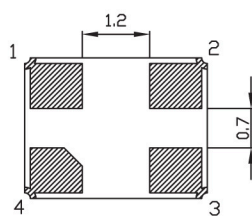
### Equivalent Series Resistance(ESR)

| Fundamental  |            |
|--------------|------------|
| 9.9 ~ 12 MHz | 150 Ω Max. |
| 12 ~ 16 MHz  | 100 Ω Max. |
| 16 ~ 54 MHz  | 60 Ω Max.  |

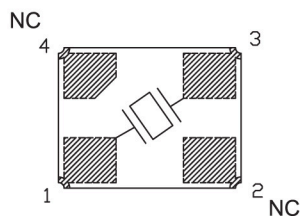
### Dimensions



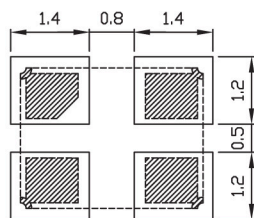
Side View



Bottom View



Top View Suggested Connection



Top View Suggested Layout

Units: mm