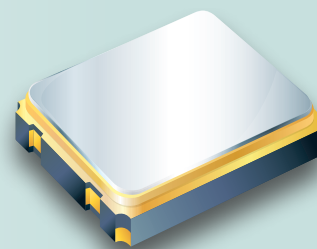


# SMD RTC Crystal Oscillators 3.2 x 2.5 x 1.0 mm 7XZ Series

## Features

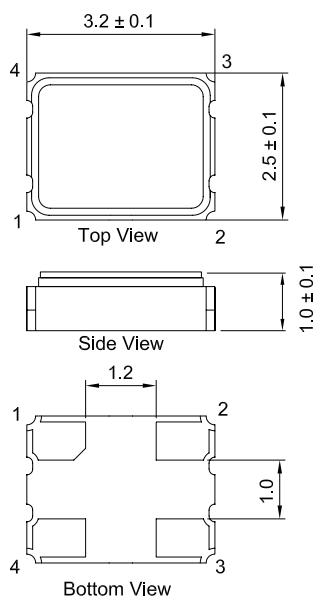
- Ultra small 32.768 kHz RTC oscillator in seam sealed ceramic package.
- 4 pads design to achieve good soldering contact on PCB.
- Use AT crystal as the resonator for good temperature performance.
- Tri-State function available for power saving.
- RoHS Compliant / Pb Free.



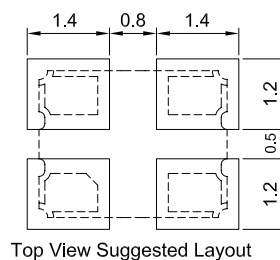
## Electrical Specifications

| Item / Type                               | 7XZ                             |
|-------------------------------------------|---------------------------------|
| Normal Frequency                          | 32.768 kHz                      |
| Oscillation Mode                          | AT Fundamental                  |
| Output Type                               | CMOS                            |
| Output Load                               | 15 pF, or specify               |
| Supply Voltage                            | 2.8 V , 3.3 V                   |
| Frequency Stability                       | $\pm 25$ ppm , $\pm 50$ ppm     |
| Operating Temperature Range               | - 10 ~ + 70 °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            | 300 ns Max.                     |
| Current Consumption                       | 3 mA Max.                       |
| Symmetry                                  | 45 ~ 55 %                       |
| Start-up Time                             | 10 ms Max.                      |
| Tri-state Voltage Vol (Max.) / Voh (Min.) | 0.3 VDD / 0.7 VDD               |
| Aging ( at 25 °C )                        | $\pm 5$ ppm at first year.      |

## Dimensions



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



Units: mm