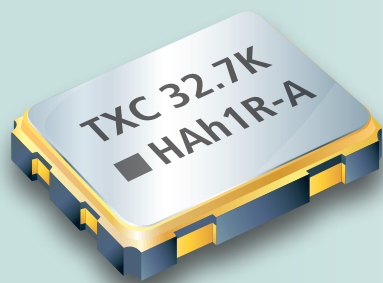


# SMD RTC Crystal Oscillators 5.0 x 3.2 x 1.2 mm 7CZ Series



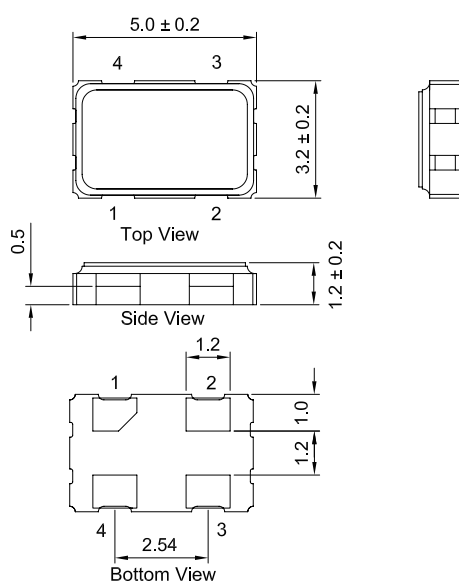
## Features

- Small Real Time Clock oscillator in SMD seam sealed ceramic package.
- 4 pads design to achieve good soldering contact on PCB.
- AT fundamental solution provides good frequency stability.
- Tri-State function available for power saving.
- RoHS Compliant / Pb Free.

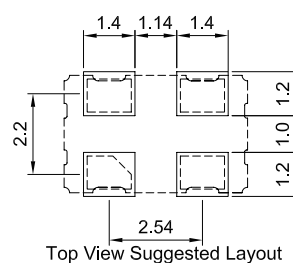
## Electrical Specifications

Item / Type	7CZ
Normal Frequency	32.768 kHz
Oscillation Mode	AT Fundamental
Output Type	CMOS
Output Load	15 pF
Supply Voltage	2.5 V, 2.8 V, 3.3 V
Frequency Stability	± 25 ppm
Operating Temperature Range	- 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	200 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 )	± 5 ppm at first year

## Dimensions



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



Units: mm