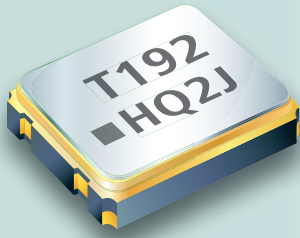


# SMD Crystal Oscillators- CMOS Output 3.2 x 2.5 x 1.0 mm 7X Series

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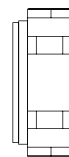
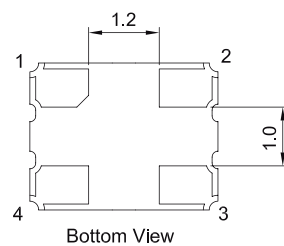
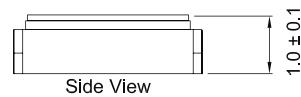
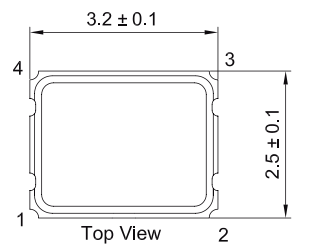
## Features

- Ultra Small SMD seam sealed clock crystal oscillator units.
- For applications in WLAN, Bluetooth, DSC, DSL and other IT product.
- Tri-state function available.
- RoHS Compliant / Pb Free.

## Electrical Specifications

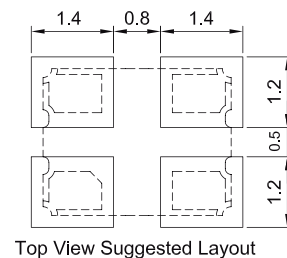
| Item / Type                         | 7X                              |                       |
|-------------------------------------|---------------------------------|-----------------------|
| Output Type                         | CMOS                            |                       |
| Output Load                         | 15 pF , or specify              |                       |
| Oscillation Mode                    | Fundamental / 3rd Overtone      |                       |
| Supply Voltage                      | 1.8 V                           | 2.5 V , 2.8 V , 3.3 V |
| Frequency Range                     | 1 ~ 125 MHz                     |                       |
| Frequency Stability                 | ± 25 ppm , ± 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      | 8 ns Max.                       |                       |
| Supply Current                      | 15 mA Max.                      |                       |
| Symmetry                            | 45 ~ 55 %                       |                       |
| Start-up Time                       | 5 ms Max.                       |                       |
| Phase Jitter ( 12 KHz ~ 20 MHz )    | 1 ps Max.                       |                       |
| Aging ( at 25 °C )                  | ± 3 ppm / year Max.             |                       |

## Dimensions



### PAD FUNCTION:

- 1: ENABLE CONTROL
- 2: GND
- 3: OUT
- 4: VDD



Units: mm