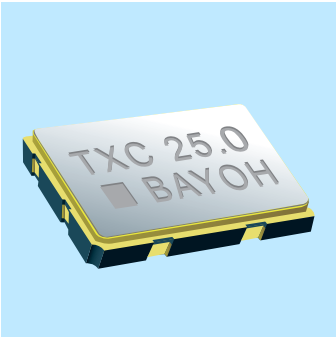


## 5 x 3.2 mm SMD CMOS CXO 7C SERIES



### Features

- > Ultra small SMD seam sealed clock crystal oscillator units.
- > High precision characteristic covering up to wide frequency range.
- > Designed for automatic mounting and reflow soldering.
- > Optionable stand-by function for output: Tri-state output.
- > Supply voltage range : 1.8 V ~ 5.0 V
- > High stability, low jitter, low power consumption.
- > Main application : wireless communication set, PDA, and DSC.
- > RoHS Compliant / Pb Free.

### Electrical Specifications

| Item / Type                     | 7C                                   |                       |               |
|---------------------------------|--------------------------------------|-----------------------|---------------|
| Output Type                     | CMOS                                 |                       |               |
| Output Load                     | 15 pF                                | 15 pF , 30 pF         | 15 pF , 50 pF |
| Oscillation Mode                | Fundamental / 3rd Overtone           |                       |               |
| Supply Voltage                  | 1.8 V                                | 2.5 V , 2.8 V , 3.3 V | 5 V           |
| Frequency Range                 | 1 ~ 150 MHz                          |                       |               |
| Frequency Stability             | ± 50 ppm (-10 ~ + 70 °C), or specify |                       |               |
| 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      | 10 ns Max.                           |                       |               |
| Supply Current                  | 20 mA Max.                           | 30 mA Max.            | 45 mA Max.    |
| Symmetry                        | 40 ~ 60 %                            |                       |               |
| Start-up Time                   | 10 ms Max                            |                       |               |
| Phase Jitter (12 KHz ~ 20 MHz)  | 1 ps Max                             |                       |               |
| Aging (at 25 °C)                | ± 3 ppm / year Max.                  |                       |               |

Oscillators

### Dimensions



Units:mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.