

# FCom Quartz Crystal Resonator

## Series FCX-1S-LC

Low CL Crystal Resonator 1.2x1.0 mm



### Feature

- Industry Standard Package: 1.2\*1.0\*0.33mm
- Seam with vacuum Sealed for Ultra-small size
- High precision and high reliability
- RoHS and REACH Compliant , Pb-free

### Application

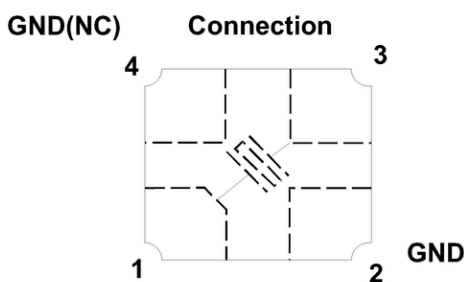
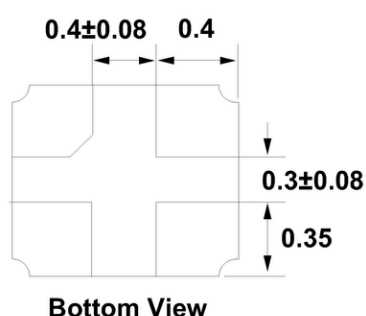
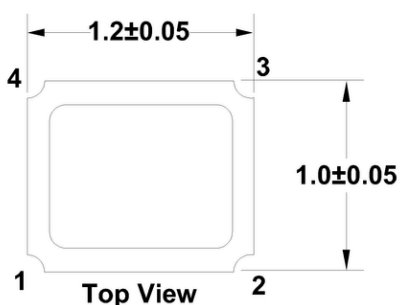
- Wearable devices
- Wi-Fi and BT or other wireless module
- IoT devices
- Smart phone
- Space limited application

### ELECTRICAL SPECIFICATIONS

| Parameters                                                      | Symbol | Min.      | Typ. | Max. | Units | Notes      |                                                                                               |
|-----------------------------------------------------------------|--------|-----------|------|------|-------|------------|-----------------------------------------------------------------------------------------------|
| Nominal Frequency                                               | F      | 24 ~ 76.8 |      |      | MHz   |            | Test condition<br><br>Ambient temperature:<br>25 ± 5°C<br><br>Relative humidity:<br>40% ~ 70% |
| Frequency Tolerance                                             | FT     | ± 10      |      |      | ppm   | @25°C±3°C  |                                                                                               |
| Frequency Stability Over Operating Temp. Range (Reference 25°C) | ST     | ± 30      |      |      | ppm   | @-40~95°C  |                                                                                               |
| Operating Temperature                                           | Topr   | -40       | 25   | 95   | °C    |            |                                                                                               |
| Load Capacitance                                                | CL     | 4         |      |      | pF    |            |                                                                                               |
| Drive Level                                                     | DL     | -         | 10   | 100  | uW    |            |                                                                                               |
| Equivalent Series Resistance                                    | ESR    | -         | -    | 100  | Ohm   | 24~32MHz   |                                                                                               |
|                                                                 |        | -         | -    | 80   |       | 37.4~48MHz |                                                                                               |
|                                                                 |        | -         | -    | 60   |       | >48MHz     |                                                                                               |
| Aging                                                           | -      | ± 3       |      |      | ppm   | 1st Year   |                                                                                               |

! Note : The table shows common spec. if you have special spec. requirement , please feel free to contact our salesperson.

### DIMENSION(mm)



# 4pin connect to GND.NC is Open

