

Product Features

1. 4 pad AuSn sealing crystal
2. Extremely small SMD type crystal units
3. Application for smart phone , sip module , variety of compact portable consumer products reference clocks
4. High precision and frequency stability
5. High reliable environmental performance
6. RoHS and REACH Compliant , Pb-free , Halogen-free
7. Industry Standard Package :
1.6*1.2*0.35mm (8Q Series)

Application :

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



Test condition

Ambient temperature : $25 \pm 5^{\circ}\text{C}$

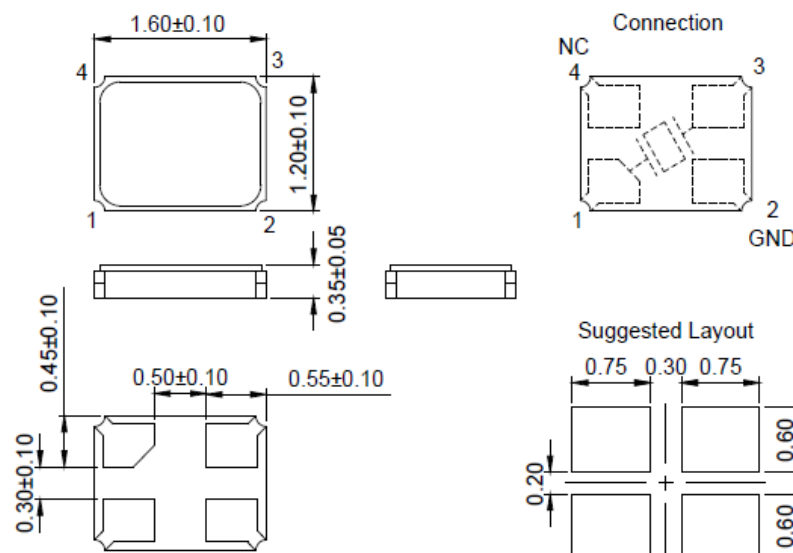
Relative humidity : 40% ~ 70%

● Table 1 . Electrical Specifications

| Parameters | Symbol | Min. | Typ. | Max. | Units | Notes |
|--|--------|------------------------|------|------|--------------------|--|
| Nominal Frequency | F | 24 ~ 80 | | | MHz | |
| Frequency Tolerance | FT | ± 10 | | | ppm | @ $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$ |
| Frequency Stability Over Operating Temp. Range (Reference 25°C) | ST | ± 10 | | | ppm | @ $-30 \sim 85^{\circ}\text{C}$ |
| | | ± 15 | | | | @ $-40 \sim 85^{\circ}\text{C}$ |
| | | ± 30 | | | | @ $-40 \sim 105^{\circ}\text{C}$ |
| Operating Temperature | Topr | -40 | 25 | 105 | $^{\circ}\text{C}$ | |
| Load Capacitance | CL | 8 , 10 , 12 or specify | | | pF | |
| Drive Level | DL | - | 100 | 200 | μW | |
| Equivalent Series Resistance | ESR | - | - | 60 | Ohm | 24~38.4MHz |
| | | - | - | 40 | | 38.4~48MHz |
| | | - | - | 30 | | >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.

● Dimensions



(Unit : mm)