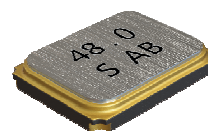


# CRYSTAL Units

## XTL90



### Applications

- Bluetooth / Wireless LAN
- Wearable Devices
- LTE / SAS

### Features

- Ultra thin / Dimensions (1.6×1.2×0.35)
- Ceramic Package
- High Reliability and High Stability

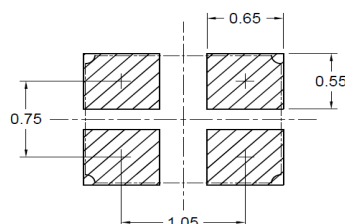
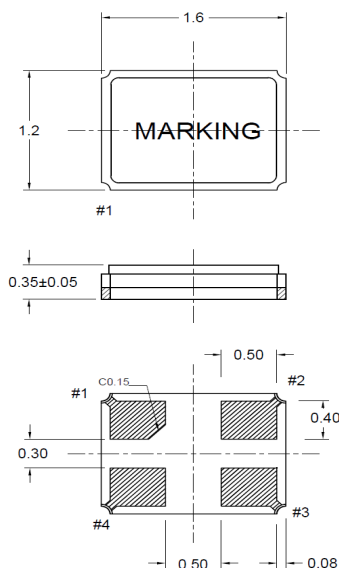
### Specifications



| Model                                                | XTL90                   |                         |
|------------------------------------------------------|-------------------------|-------------------------|
| Nominal frequency range                              | 24.000~96.000 MHz       |                         |
| Crystal cut                                          | Fundamental [AT-cut]    |                         |
| Storage temperature range                            | -40 ~ +90 °C            |                         |
| Operating temperature range                          | -30 ~ +85 °C            | -30 ~ +105 °C           |
| Frequency temperature characteristics(Ref. to +25°C) | $\pm 15 \times 10^{-6}$ | $\pm 30 \times 10^{-6}$ |
| Frequency tolerance (at +25°C)                       | $\pm 10 \times 10^{-6}$ |                         |
| Equivalent series resistance                         | 100Ω: 24.000~29.999 MHz |                         |
|                                                      | 80Ω: 30.000~53.999 MHz  |                         |
|                                                      | 60Ω: 54.000~96.000MHz   |                         |
| Load capacitance                                     | 8,10,12 pF or specify   |                         |
| Shunt capacitance                                    | 3 pF max.               |                         |
| Level of drive                                       | 10μW (100uW max.)       |                         |

Package quantity : 3,000pcs max./Reel

### Outline and Dimensions [unit: mm]



| Pin Connection |         |
|----------------|---------|
| #1,#3          | Crystal |
| #2             | GND     |
| #4             | GND(NC) |