

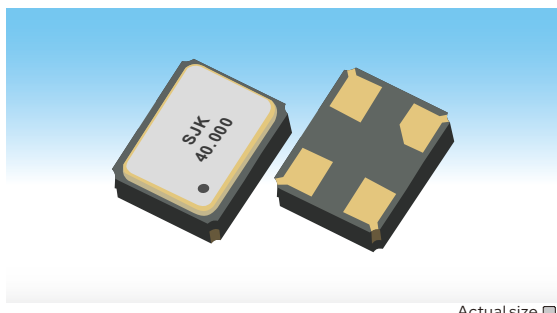
# SPXO /SMD Crystal Oscillator

ON Series SMD 1612 Crystal Oscillator

1~156.25MHz

O: CMOS

Size: 1.6×1.2×0.6mm



## Features

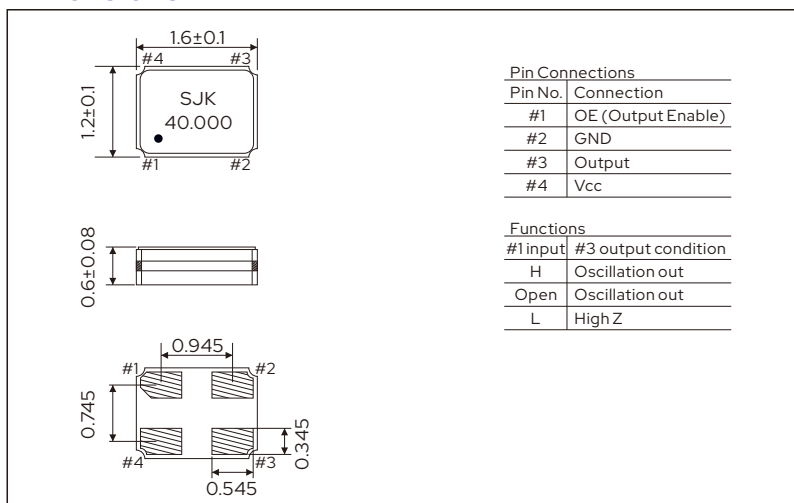
- 1612 size, 0.6mm high. Ultra miniature and lightweight SMD crystal oscillators
- 3-state function
- Supply voltage: 1.8V~3.3V
- Available frequency range: 1MHz~156.25MHz
- Low jitter provides for high performance
- Application for smart phone, WiLAN, WiMAX, Bluetooth, PC, PC peripherals, Automotive multimedia device, etc
- RoHS Compliant /Pb Free



## Standard Specifications

| Item                                            | Type | ON Series SMD 1612 Crystal Oscillators     |
|-------------------------------------------------|------|--------------------------------------------|
| Output Type                                     |      | CMOS                                       |
| Load condition                                  |      | 15pF, or specify                           |
| Frequency Range                                 |      | 1MHz~156.25MHz                             |
| Supply Voltage                                  |      | 1.8V~3.3V                                  |
| Frequency Stability (All Condition)             |      | ±20ppm, ±25ppm, ±30ppm, ±50ppm, or specify |
| Current Consumption                             |      | 10mA max.                                  |
| Stand-by Current                                |      | 10μA max.                                  |
| Symmetry                                        |      | 45~55%                                     |
| 0 Level Output Voltage (V <sub>OL</sub> )       |      | 0.1 V <sub>CC</sub> max.                   |
| 1 Level Output Voltage (V <sub>OH</sub> )       |      | 0.9 V <sub>CC</sub> min.                   |
| Rise Time / Fall Time                           |      | 5.0ns max.                                 |
| OE Pin 0 Level Input Voltage (V <sub>IL</sub> ) |      | 0.3V <sub>CC</sub> max.                    |
| OE Pin 1 Level Input Voltage (V <sub>IH</sub> ) |      | 0.7V <sub>CC</sub> min.                    |
| Start-up Time                                   |      | 10ms max.                                  |
| Operating Temperature Range                     |      | -20~+70°C, -40~+85°C, or specify           |
| Storage Temperature Range                       |      | -55~+125°C                                 |
| Phase Jitter (12KHz~20MHz)                      |      | 1ps max.                                   |

## Dimensions



## Recommended Land Pattern [mm]

