

# SMD 0603 Quartz Crystal

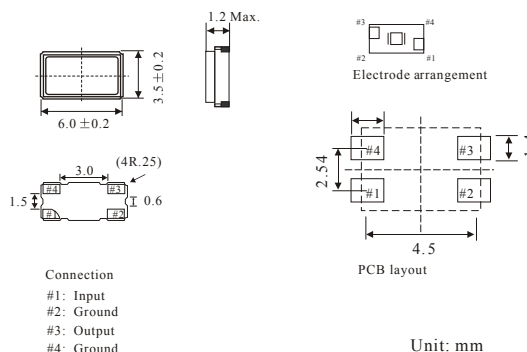
4 pads, 6.0x3.5x1.1mm



## Features

- Ultra Low Height
- Tight Tolerance and Stability
- 4 pads
- Tape & Reel
- Dimension 6.0x3.5x1.1mm
- Seam Weld Sealing
- Lead Free available

## Dimension



## Specification

Type	SMD 6.0 x 3.5 - 4 Pads
Frequency Range	10.000MHz to 48.000MHz
Frequency Tolerance at 25 °C	± 30ppm *
Frequency Stability	± 30ppm *
Operating Temperature	-10 °C to +60 °C *
Load Capacitance	6pF to 32pF / Series
Shunt Capacitance	7pF max *
Storage Temperature	-40 °C to +85 °C *
Drive Level	100µW *
Aging	± 5ppm max first year *

\* Can be changed according to Customer's requirement.

## ESR vs Standard Frequency, Vibration Mode

Frequency Range (MHz)	ESR Max (Ω)	Vibration Mode
10.000 - 13.000	80	AT Fund
13.000 - 13.999	50	AT Fund
14.000 - 19.999	40	AT Fund
20.000 - 48.000	40	AT Fund
40.000 - 48.000	100	3rd OT

## Frequency Stability vs. Operating Temperature

	± 10ppm	± 20ppm	± 30ppm	± 50ppm	± 100ppm
-10 °C - +60 °C	○	○	●	○	○
-10 °C - +70 °C	○	○	●	○	○
-20 °C - +70 °C	○	○	●	●	○
-40 °C - +85 °C			○	●	○

○ Available      ● Standard

## Reflow Soldering Profile

