

# SMD 0402 Quartz Crystal

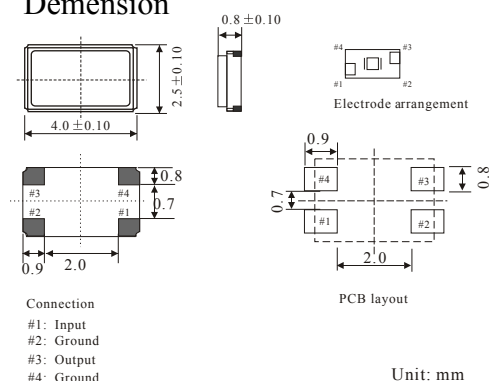
4 pads, 4.0x2.5x0.8mm



## Features

- Ultra Low Height
- Tight Tolerance and Stability
- 4 pads
- Tape & Reel
- Dimension 4.0x2.5x0.8mm
- Seam Weld Sealing
- Lead Free available

## Dimension



## Specification

Type	SMD 4.0 x 2.5 - 4 Pads
Frequency Range	15.000MHz to 40.000MHz
Frequency Tolerance at 25 °C	± 10ppm to ± 100ppm
Frequency Stability	± 10ppm to ± 100ppm
Operating Temperature	-10 °C to +60 °C *
Load Capacitance	6pF to 50pF or Series
Shunt Capacitance	< 7pF
Storage Temperature	-40 °C to +85 °C *
Drive Level	100uW *
Aging	± 5ppm first year max

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

## ESR vs Standard Frequency, Vibration Mode

Frequency Range (MHz)	ESR Max (Ω)	Vibration Mode
15.000 - 19.999	80	AT Fund
20.000 - 29.999	60	AT Fund
30.000 - 40.000	40	AT Fund

## 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

