

SMD 0503 Quartz Crystal

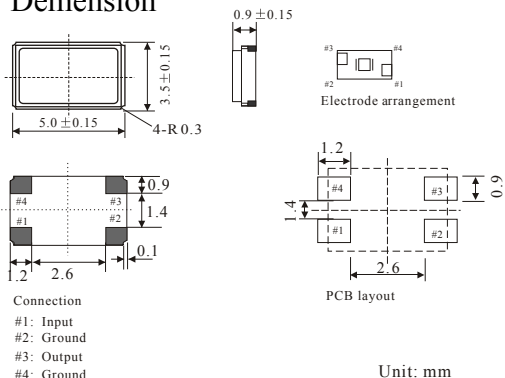
4 pads, 5.0x3.5x0.9mm



Features

- Ultra Low Height
- Tight Tolerance and Stability
- 4 pads
- Tape & Reel
- Dimension 5.0x3.5x0.9mm
- Seam Weld Sealing
- Lead Free available

Dimension



Specification

Type	SMD 5.0 x 3.2 - 4 Pads
Frequency Range	12.000MHz 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
12.000 - 13.999	80	AT Fund
14.000 - 19.999	60	AT Fund
20.000 - 29.999	50	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

