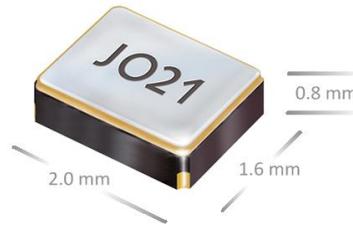


JO21
Oscillator in miniature SMD package



Ultra small-sized SMD Quartz Oscillator JO21

The JO21 is an ultra small-sized miniature Oscillator with a frequency stability as tight as ± 25 ppm, and is offered in a frequency range from 1.625 MHz to 54.0 MHz .

Due to the high frequency stability as tight as ± 25 ppm the JO21 fulfills high requirements and is specially designed for ZigBee, Bluetooth and other wireless applications.

The "JO21" is particularly suitable for miniaturized electronic devices with very limited space on printed circuit board.

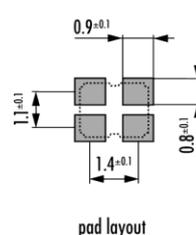
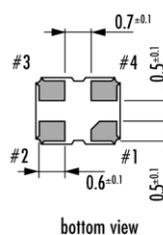
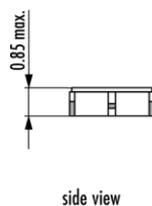
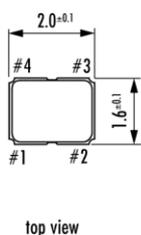
The JO21 is also available for the extended operating temperature range ($-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$).

Key-Features of the JO21:

- | | |
|------------------------------------|--|
| ■ ultra compact miniature package: | 2.0 x 1.6 x 0.8 mm |
| ■ high frequency stability: | ± 100 ppm $\sim \pm 25$ ppm |
| ■ frequency range: | 1.625 MHz \sim 54.0 MHz |
| ■ supply voltages: | 1.8V / 2.5V / 3.3V |
| ■ operating temperature range: | $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ / $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ |
| ■ very competitive price | |
| ■ typical applications: | office automation, audio and video processing, ZigBee, Bluetooth, PC peripherals, LCD monitors, TV sets, satellite receivers, digital still camera |
| ■ RoHS compliant | 100% lead-free |



Dimensions:



pin connection
1: e/d
2: ground
3: output
4: Vcc

in mm