

Programmable Crystal Oscillators 2.5x2.0x0.8mm RO22 Series



Features

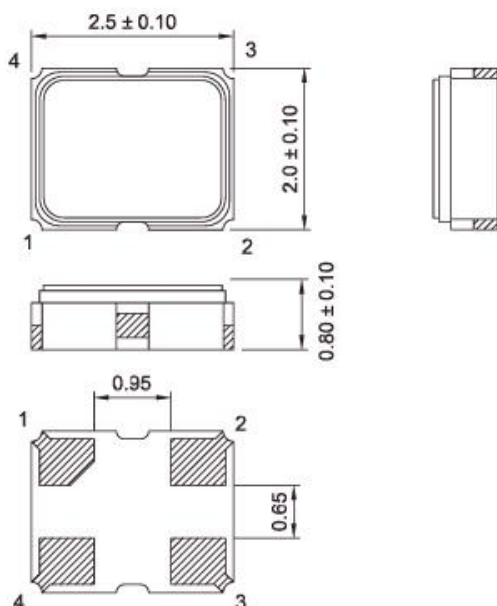
- Typical 2.5x2.0x0.8mm package.
- Operation supply voltage: 1.8V~3.3V.
- Fast delivery at any frequency.
- Low power consumption design.
- Frequency Stability ± 25 ppm over $-40\sim+85^{\circ}\text{C}$.
- RoHS compliant/Pb-free.



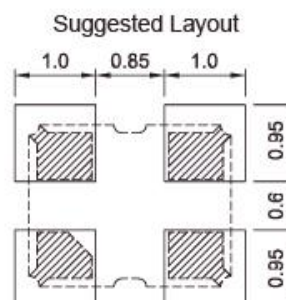
Crystals specifications

| ITEMS/TYPE | RO22 |
|---|---|
| Frequency Range | 1~200MHz |
| Output Type | CMOS |
| Output Load | 15 pF , or specify |
| Oscillation Mode | Fundamental / 3rd Overtone |
| Supply Voltage | 1.8V~3.3V, or specify |
| Frequency Stability | ± 20 ppm , or specify |
| Operating Temperature Range | $-40\sim+85^{\circ}\text{C}$, or specify |
| Storage Temperature Range | $-55\sim+125^{\circ}\text{C}$ |
| Voltage Vol (Max.)/Voltage Voh (Min.) | VOH=90%Vdd / VOL+10%Vdd |
| Rise (Tr) / Fall (Tf) Time | 8 ns Max. |
| Current Consumption | 30mA typ. |
| Symmetry | 40 ~ 60 % |
| Start-up Time | 5 ms Max. |
| Phase Jitter (12 KHz ~ 20 MHz) | 1 ps Max. |
| Aging (at 25°C) | ± 3 ppm / year Max. |
| Packing Unit | 3,000pcs/Reel |

Dimensions and patterns(unit:mm)



PAD FUNCTION:
1:ENABLE CONTROL
2:GND
3:OUT
4:VDD



Units:mm