

Programmable Crystal Oscillators 3.2x2.5x1.0mm RO32 Series



Features

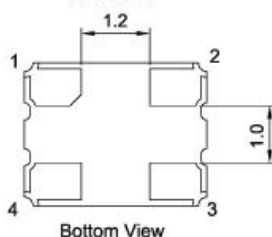
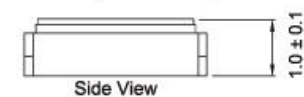
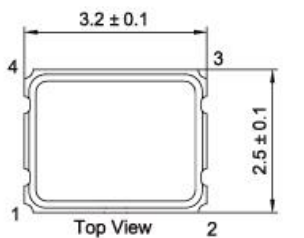
- Typical 3.2x2.5x1.0mm package.
- Operation supply voltage: 1.8V~3.3V.
- Fast delivery at any frequency.
- Low power consumption design.
- Frequency Stability ± 25 ppm over $-40\sim+85^{\circ}\text{C}$.
- RoHS compliant/Pb-free.



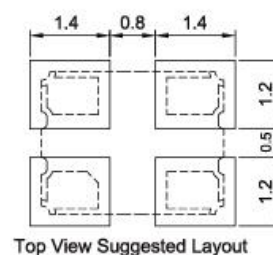
Crystals specifications

ITEMS/TYPE	RO32
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