

SMD RTC Crystal Oscillators

CMOS Output

5.0x3.2x1.2mm OH53 Series



Features

- Meet 32.768 kHz RTC clock signal for tight tolerance requirement.
- Easy to use SMD seam sealed ceramic package.
- 4 pads design to achieve good soldering contact on PCB.
- Use AT crystal as the resonator for good temperature performance.
- Tri-State function available for power saving.
- RoHS Compliant / Pb Free.



Crystals specifications

ITEMS/TYPE	OH53
Norminal Frequency	32.768KHZ
Output Type	CMOS
Output Load	15 pF, or specify
Oscillation Mode	AT Fundamental
Supply Voltage	1.8V~3.3V
Frequency Stability	± 25 ppm, or specify
Operating Temperature Range	- 40 ~ + 85 °C, or specify
Storage Temperature Range	- 55 ~ + 125 °C
Voltage Vol (Max.)/Voh (Min.)	0.1VDD / 0.9VDD
Rise (Tr) / Fall (Tf) Time	200 ns Max.
Current Consumption	3 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	10 ms Max.
Tri-state Voltage Vol (Max.) / Voh (Min.)	0.3 VDD / 0.7 VDD
Aging (at 25 °C)	± 5 ppm / year Max.
Packing Unit	1,000pcs/Reel

Dimensions and patterns(unit:mm)

