

SMD Crystal Oscillators

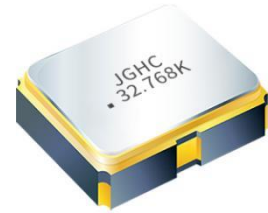
CMOS Output

2.5x2.0x0.8mm AOH2 Series



Features

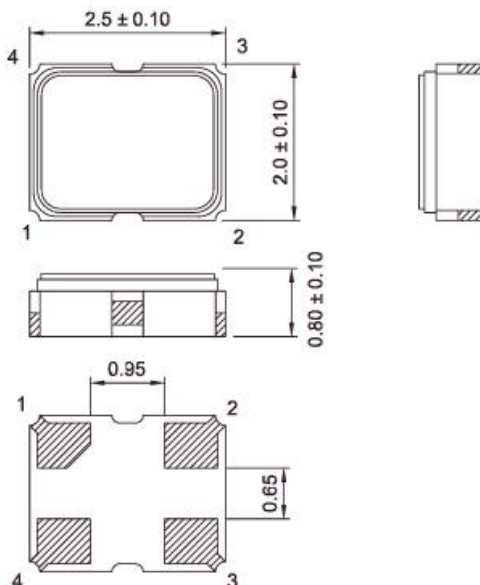
- KHZ crystals oscillator in SMD seam sealed ceramic package.
- 4 pads design to achieve good soldering contact on PCB.
- At fundamental solution provides good frequency stability
- Tri-State function available for power saving
- RoHS Compliant / Pb Free.



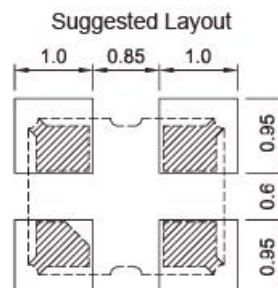
Crystals specifications

| ITEMS/TYPE | AOH2 |
|---|------------------------|
| 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~+125°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. |
| Reliability Standard | AEC-Q100 |

Dimensions and patterns(unit:mm)



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



Units: mm