

# SMD Crystal Oscillators

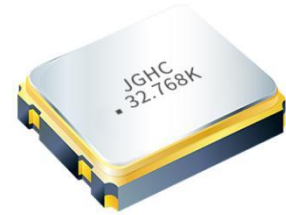
## CMOS Output

### 3.2x2.5x1.0mm AOH32 Series



#### Features

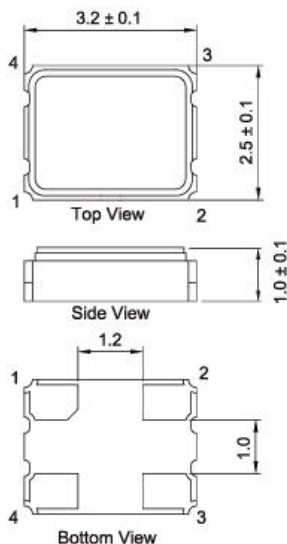
- KHZ crystals oscillator in SMD seam sealed ceramic package.
- 4 pads design to achieve good soldering contact on PCB.
- At fundamental solution provides good frequency stability
- Tri-State function available for power saving
- RoHS Compliant / Pb Free.



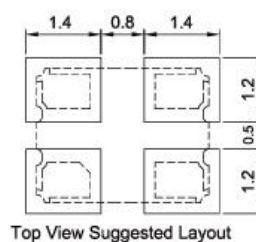
#### Crystals specifications

ITEMS/TYPE	AOH32
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	300 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
Packing Unit	3,000pcs/Reel

#### Dimensions and patterns(unit:mm)



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



Units: mm