

# SMD Oscillators- CMOS Output 5.0 x 3.2 x 1.2 mm AC Series

## Features

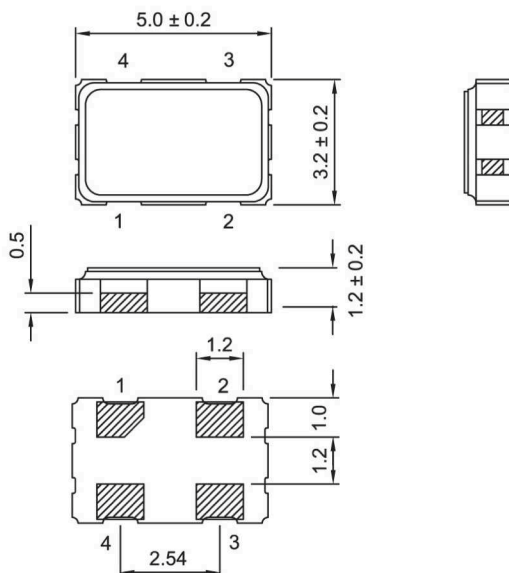
- Ultra small SMD seam sealed clock crystal oscillator units.
- High precision characteristic covering up to high frequency range.
- Designed for automatic mounting and reflow soldering.
- Optionable stand-by function for output: Tri-state output.
- Supply voltage range : 1.8 V ~ 5.0 V.
- High stability, low jitter , low power consumption.
- RoHS Compliant / Pb Free.
- 32.768 KHz CXO available.



## Electrical Specifications

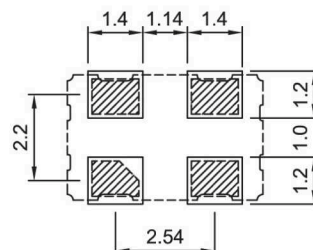
Item / Type	AC	
Output Type	CMOS	
Output Load	15 pF, 30 pF	
Oscillation Mode	Fundamental / 3rd Overtone	
Supply Voltage	1.8 V, 2.5 V, 3.3 V, 5.0 V	
Frequency Range	1 ~ 150 MHz	
Frequency Stability	± 50 ppm	
Operating Temperature Range	- 40 ~ + 85 °C	
Storage Temperature Range	- 55 ~ + 125 °C	
Voltage Vol ( Max. ) / Voh ( Min.)	0.1 VDD / 0.9 VDD	
Rise ( Tr ) / Fall ( Tf ) Time	10 ns Max.	
Supply Current	1-75 MHz 20mA max.	75-150 MHz 40mA max.
Symmetry	45 ~ 55 %	
Start-up Time	10 ms Max.	
Phase Jitter ( 12 KHz ~ 20 MHz )	1 ps Max.	
Aging ( at 25 °C )	± 3 ppm / year Max.	
Reliability Standard	AEC-Q100	

## Dimensions



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

Suggested Layout



Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.