

# SMD Oscillators- CMOS Output 3.2 x 2.5 x 1.0 mm AU Series



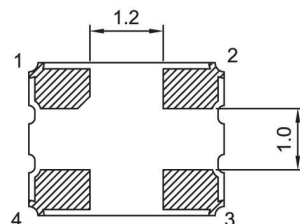
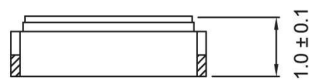
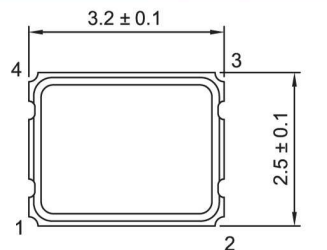
## Features

- Ultra Small SMD seam sealed clock crystal oscillator units.
- RoHS Compliant / Pb Free.
- 32.768 KHz CXO available.

## Electrical Specifications

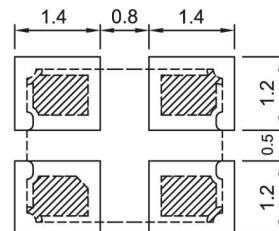
Item / Type	AU	
Output Type	CMOS	
Output Load	15 pF , or 30 pF	
Oscillation Mode	Fundamental / 3rd Overtone	
Supply Voltage	1.8 V	2.5 V , 3.3 V
Frequency Range	1 ~ 106.25 MHz	
Frequency Stability	± 50 ppm	
Operating Temperature Range	-40 ~ + 85 °C	
Storage Temperature Range	- 55 ~ + 125 °C	
Voltage Vol ( Max. ) / Voh ( Min. )	0.1 VDD / 0.9 VDD	
Rise ( Tr ) / Fall ( Tf ) Time	10 ns Max.	
Supply Current	4 mA Max.	6 mA 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