

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



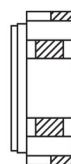
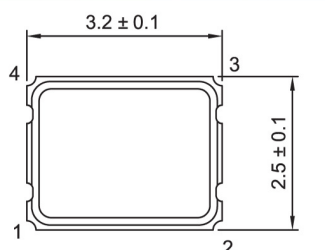
## Features

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

## Electrical Specifications

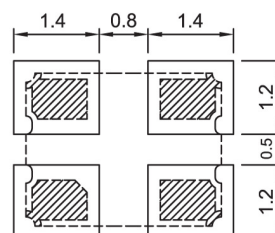
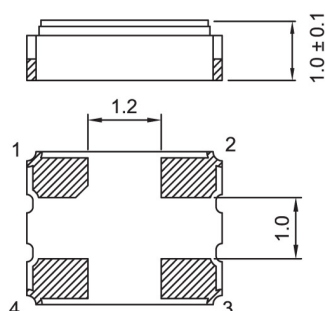
| Item / Type                         | AU                         |               |
|-------------------------------------|----------------------------|---------------|
| Output Type                         | CMOS                       |               |
| Output Load                         | 15 pF , 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

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