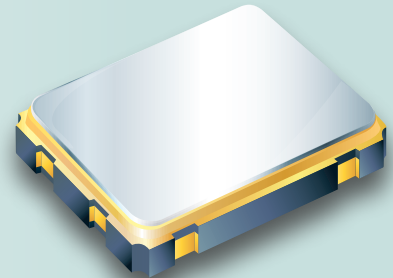


# SMD Crystal Oscillators- CMOS Output 7.0 x 5.0 x 1.3 mm 7W Series

## Features

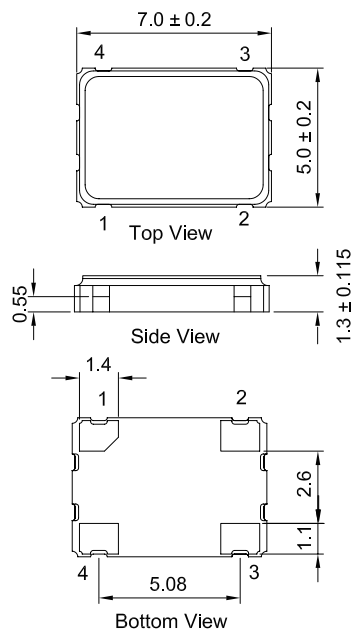
- Small SMD seam sealed clock crystal oscillator units.
- High precision characteristic covering up to wide frequency range.
- Designed for automatic mounting and reflow soldering.
- Tri-State function available.
- Supply voltage range : 1.8 V ~ 5 V.
- High stability, low jitter, low power consumption.
- Main application : wireless communication, PC, and LCDM.
- RoHS Compliant / Pb Free.



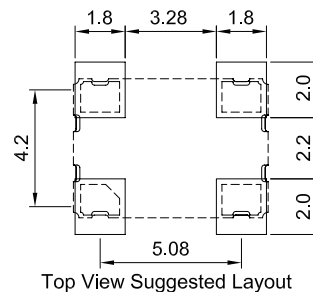
## Electrical Specifications

Item / Type	7W		
Output Type	CMOS		
Output Load	15 pF	15 pF , 30 pF	15 pF , 50 pF
Oscillation Mode	Fundamental / 3rd Overtone		
Supply Voltage	1.8 V	2.5 V , 2.8 V , 3.3 V	5 V
Frequency Range	1 ~ 170 MHz		
Frequency Stability	± 25 ppm , ± 50 ppm		
Operating Temperature Range	- 10 ~ + 70 °C , - 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	8 ns Max.		
Supply Current	20 mA Max.		
Symmetry	40 ~ 55 % , 40 ~ 60 %		
Start-up Time	5 ms Max.		
Phase Jitter ( 12 KHz ~ 20 MHz )	1 ps Max.		
Aging ( at 25 °C )	± 3 ppm / year Max.		

## Dimensions



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



Units: mm