



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

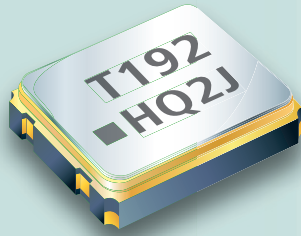
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# SMD Crystal Oscillators- CMOS Output 3.2 x 2.5 x 1.0 mm 7X Series

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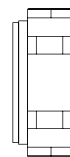
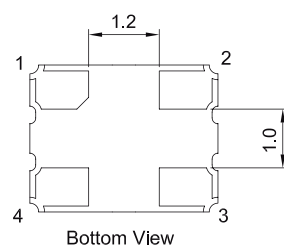
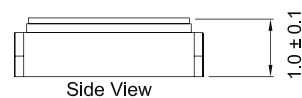
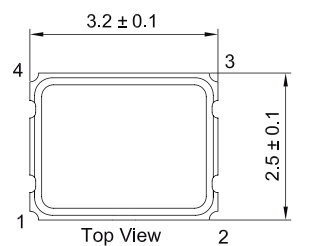
## Features

- Ultra Small SMD seam sealed clock crystal oscillator units.
- For applications in WLAN, Bluetooth, DSC, DSL and other IT product.
- Tri-state function available.
- RoHS Compliant / Pb Free.

## Electrical Specifications

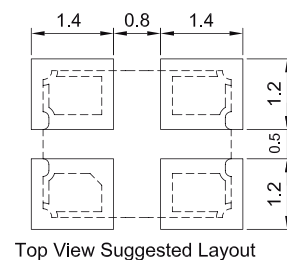
Item / Type	7X	
Output Type	CMOS	
Output Load	15 pF , or specify	
Oscillation Mode	Fundamental / 3rd Overtone	
Supply Voltage	1.8 V	2.5 V , 2.8 V , 3.3 V
Frequency Range	1 ~ 125 MHz	
Frequency Stability	± 25 ppm , ± 50 ppm	
Operating Temperature Range	- 10 ~ + 70 °C , - 40 ~ + 85 °C	
Storage Temperature 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	15 mA Max.	
Symmetry	45 ~ 55 %	
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