



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

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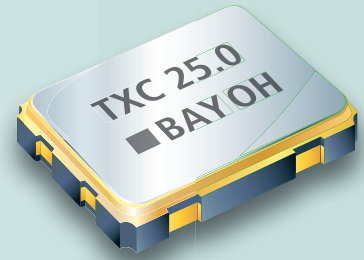


# SMD Crystal Oscillators- CMOS Output 5.0 x 3.2 x 1.2 mm 7C Series

Oscillators  
 Series

## Features

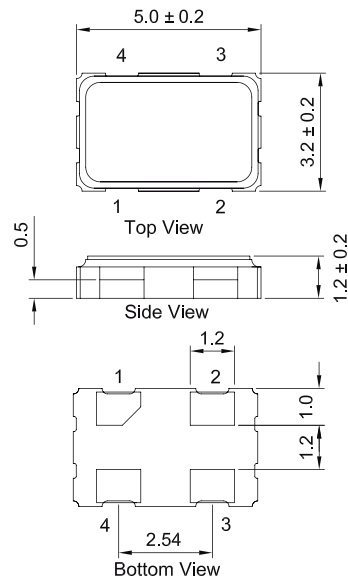
- Small SMD seam sealed clock crystal oscillator units.
- High precision characteristic covering up to wide frequency range.
- Designed for automatic mounting and reflow soldering.
- Tri-State function available.
- Supply voltage range : 1.8 V ~ 5.0 V.
- High stability, low jitter, low power consumption.
- Main application : wireless communication set, PDA, and DSC.
- RoHS Compliant / Pb Free.



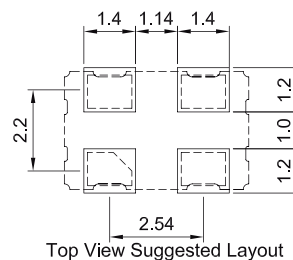
## Electrical Specifications

Item / Type	7C			
Output Type	CMOS			
Output Load	15 pF , 30 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 ~ 150 MHz			
Frequency Stability	± 20 ppm , ± 25 ppm , ± 30 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.			
Current Consumption	1-75 MHz	5 mA Max.	10 mA Max.	20 mA Max.
	75-150 MHz	15 mA Max.	20 mA Max.	NA
Symmetry	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

Remark : Specification subject to change without prior notice. Please confirm with our sales. <http://www.txccorp.com>