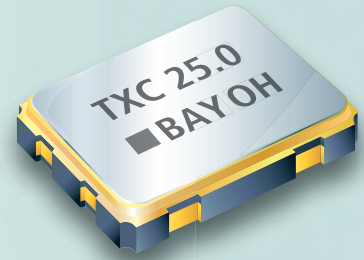


**TXC**

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

## Features

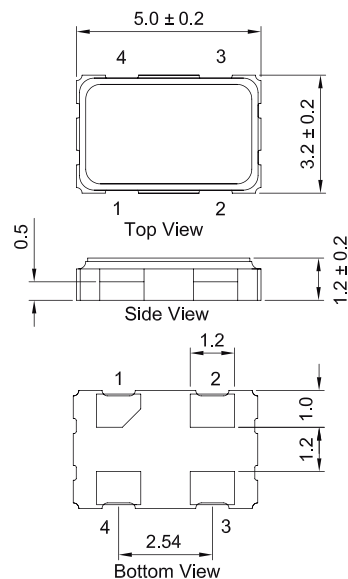
- Small SMD seam sealed clock crystal oscillator units.
- High precision characteristic covering up to wide frequency range.
- Designed for automatic mounting and reflow soldering.
- Tri-State function available.
- Supply voltage range : 1.8 V ~ 5.0 V.
- High stability, low jitter, low power consumption.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



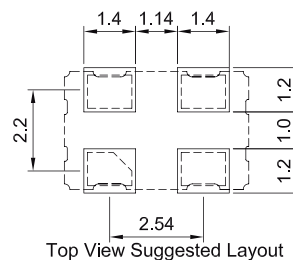
## Electrical Specifications

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

