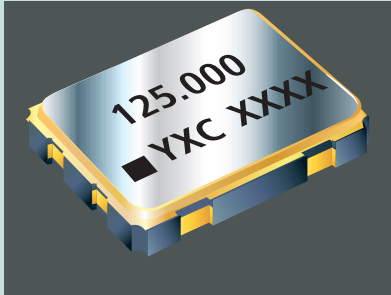




SMD Crystal Oscillators- CMOS Output 5.0 x 3.2 x 1.2 mm YSO531SR Series



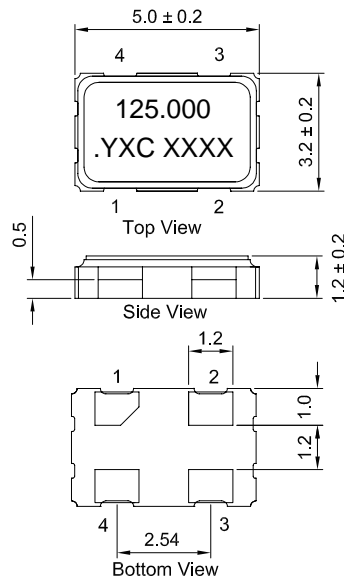
Features

- 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.

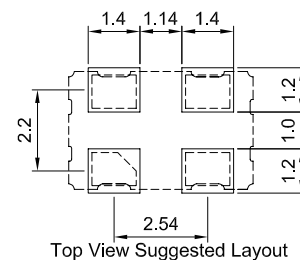
Electrical Specifications

Item / Type		YSO531SR		
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	5 V
Frequency Range		1 ~ 150 MHz		
Frequency Stability		± 20 ppm , ± 25 ppm , ± 30 ppm , ± 50 ppm		
Operating Temperature Range		- 20 ~ + 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