

# VCXO (Voltage Controlled Crystal Oscillator)



Size: 14.2×9.3×5.4 mm

9S Series SMD VCXOs

## Features

- Voltage controlled crystal oscillator (VCXO)
- Frequency range from 50MHz to 700MHz
- CMOS output
- Excellent low phase noise and jitter
- 3-state function available
- Automatic mounting and reflow soldering
- Applications: Base station, Ethernet, Server SONET, Femtocell, etc
- RoHS Compliant /Pb Free

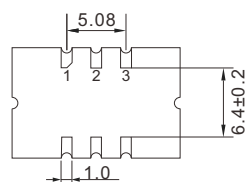
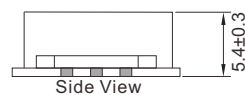
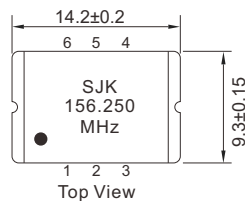


## Standard Specification

Item /Type	9S (9S Series SMD VCXO)
Output Type	CMOS
Output Load	15pF, or specify
Supply Voltage	3.3V
Frequency Range	50~700 MHz
Supply Current	100mA Max.
Frequency Stability	±25ppm, ±50ppm, or specify
Operating Temperature	-40~+85°C, or specify
Storage Temperature	-55~+125°C
Voltage Vol (Max.) /Voh (Min.)	0.1VCC/0.9VCC
Rise (Tr) /Fall (Tf) Time	5ns Max.
Start-up Time	10ms Max.
Duty Cycle	45~55%
Absolute Pulling Range (APR)*	±50ppm ±10ppm Min., or specify
Nominal Control Voltage	0.5 VDD
Control Voltage Range	0~VDD
Linearity	10ms Max.
Phase Jitter (12KHz~20MHz)	1pS Max.
Packing Unit	500pcs./Reel

\*APR=(Pull Range)-(Frequency tolerance at 25°C,variation over temperature,supply voltage variation,and aging.)

## Dimensions [mm]

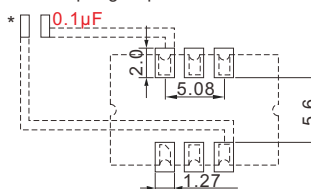


Bottom View

### Pin Connections

Pin No.	Connection
1	OE or NC
2	OE or NC
3	GND
4	Output
5	Comp. Output
6	Vcc

\* External high frequency power supply decoupling required



Top View Suggested Layout