

# VCXO (Voltage Controlled Crystal Oscillator)

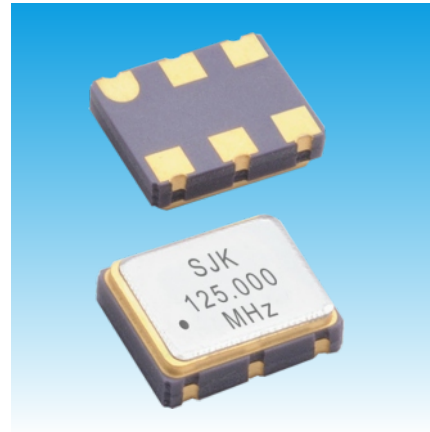


Size: 3.2×2.5×0.95 mm

3S Series SMD 3225 VCXOs

## Features

- Voltage controlled crystal oscillator (VCXO)
- Frequency range from 50MHz to 200MHz
- 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

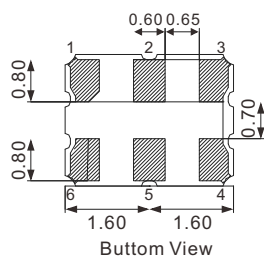
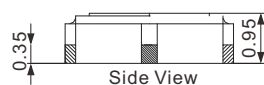
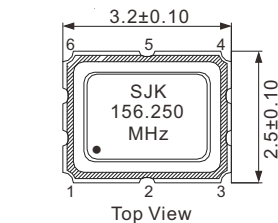


## Standard Specification

Item /Type	3S (SMD 3225 VCXO)
Output Type	CMOS
Output Load	15pF, or specify
Supply Voltage	3.3V
Frequency Range	50~200 MHz
Supply Current	60mA Max.
Frequency Stability	±25ppm, ±50ppm, or specify
Operating Temperature	-40~+85°C, or specify
Storage Temperature	-55~+125°C
Voltage Vol (Max.) /Voh (Min.)	0.1 VDD /0.9VDD
Rise (Tr) /Fall (Tf) Time	5ns Max.
Start-up Time	10ms Max.
Duty Cycle	45~55%
Absolute Pulling Range (APR)*	±50ppm Min., or specify
Nominal Control Voltage	0.5 VDD
Control Voltage Range	0~VDD
Linearity	10% Max.
Phase Jitter (12KHz~20MHz)	1pS Max.
Packing Unit	3000pcs./Reel

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

## Dimensions [mm]



## Pin Connections

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

