

# VCXO (Voltage Controlled Crystal Oscillator)

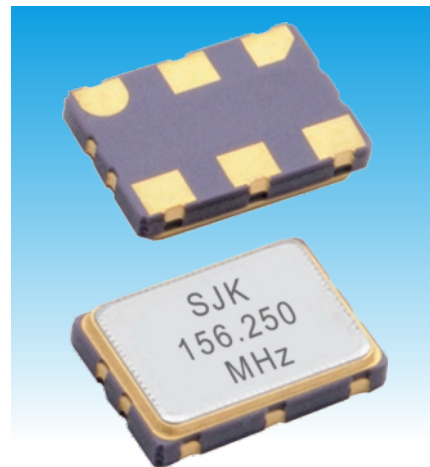


Size: 7.0×5.0×1.3 mm

6S Series SMD 7050 VCXOs

## Features

- Voltage controlled crystal oscillator (VCXO)
- Frequency range from 1MHz 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

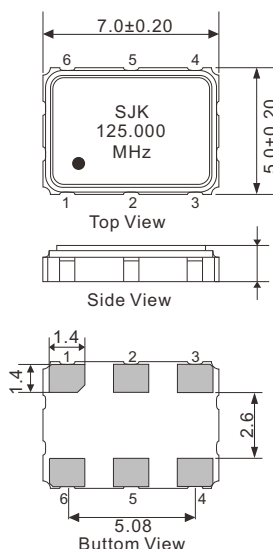


## Standard Specification

Item /Type	6S (SMD 7050 VCXO)	
Output Type	CMOS	
Output Load	15pF~30pF	15pF or specify
Supply Voltage	3.3V 5V	3.3V
Frequency Range	1~59 MHz	50~200 MHz
Supply Current	10~45mA Max.	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.)	0.1VDD/0.9VDD	
Rise (Tr) /Fall (Tf) Time	5ns Max.	
Start-up Time	10ms Max.	
Duty Cycle	40-60%	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	1000pcs./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	OE or NC
2	OE or NC
3	GND
4	Output
5	Comp. Output
6	Vcc

\* External high frequency power supply decoupling required

