

# SMD 7050 LVPECL VCXO

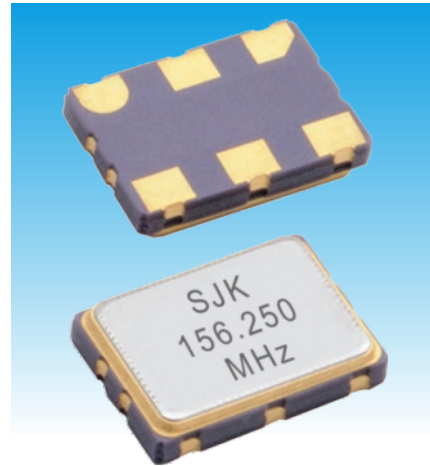


Size: 7.0×5.0×1.3 mm

7P Series SMD 7050 VCXOs

## Features

- Voltage controlled crystal oscillator (VCXO)
- Frequency range from 50MHz to 700MHz
- LVPECL 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

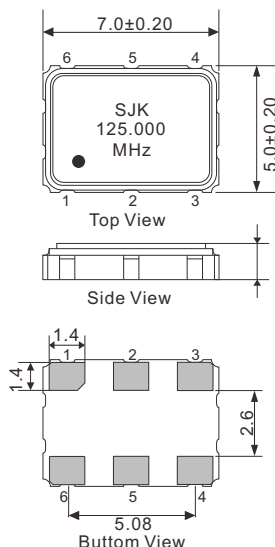


## Standard Specification

Item /Type	7P (SMD 7050 VCXO)		
Output Type	LVPECL		
Output Load	50Ω to VDD-2V	50Ω to VDD-2V	100Ω
Supply Voltage	3.3V		
Frequency Range	50~200 MHz	60~700 MHz	200~700 MHz
Supply Current	80mA Max.	99mA Max.	80mA Max.
Frequency Stability	±25ppm, ±50ppm, or specify		
Operating Temperature	-40~+85°C, or specify		
Storage Temperature	-55~+125°C		
Voltage Vol (Max.) /Voh (Min.)	VDD-1.62V/VDD-1.025V		
Rise (Tr) /Fall (Tf) Time	1ns 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.	1pS Max.	±10pS 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

