

# SMD LVDS Output VCXO

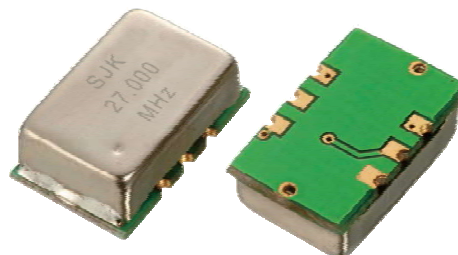


Size: 14.0×9.0×5.4 mm

9V Series SMD VCXO

## Features

- Voltage Controlled Crystal Oscillator (VCXO).
- Standard 14.0×9.0 mm PCB package.
- Meet Pb free high temperature SMT reflow soldering profile.
- LVDS Output VCXO.
- 3-state function.
- Automatic mounting and reflow soldering.
- Applications: Fibre channel, Gigabit ethernet, Serial ATA, Serial attached SCSI, PCI-Expree, SDH, SONET, etc.
- Excellent low phase noise and jitter.
- RoHS Compliant / Pb-Free.



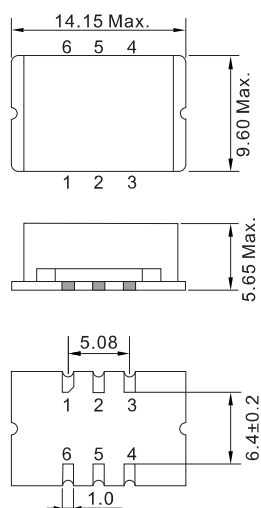
## Electrical Specifications

Item /Type	9V (9V Series SMD VCXO)
Output Type	LVDS
Output Load	100Ω
Oscillation Mode	Fundamental
Supply Voltage	3.3V
Frequency Range	50 ~ 700 MHz
Operating Temperature Range	-20~+70°C, -40~+85°C, or specify
Storage Temperature Range	-55~+125°C
Rise(Tr) / Fall(Tf) Time(20%~80%)	5ns Max.
Symmetry	45~45%
Start-up Time	10ms Max.
Absolute Pulling Range(APR)*	±50ppm, ±10ppm Min. or specify
Norminal Control Voltage	0.5VDD
Control Voltage Range	0~VDD
Linearity	10ms Max.
Phase Jitter (12KHz~20MHz)	1ps Max.

\* Inclusive of frequency tolerance at 25°C, variation over temperature, supply voltage variation, aging and vibration.

## Dimensions

Units:mm



### PAD FUNCTION:

- 1: CONTROL VOLTAGE
- 2: ENABLE CONTROL or NC
- 3: GND
- 4: OUT
- 5: NC
- 6: VDD

\* External high frequency power supply decoupling required.

