

SMD LVPECL Output VCXO



Size: 14.2×9.3×5.4 mm

9P Series SMD 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

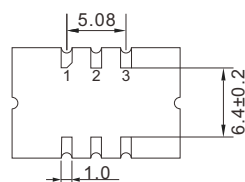
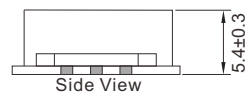
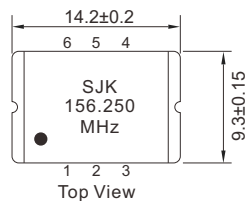


Standard Specification

Item /Type	9P (9P Series SMD VCXO)
Output Type	LVPECL
Output Load	50Ω to VDD-2V
Supply Voltage	3.3V
Frequency Range	50~700 MHz
Supply Current	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.)	1.62V/1.025V
Rise (Tr) /Fall (Tf) Time	5ns Max.
Start-up Time	10ms Max.
Duty Cycle	45~45%
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.)

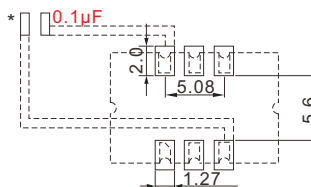
Dimensions [mm]



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



Bottom View

Top View Suggested Layout