

# SMD LV-PECL Crystal Oscillator



Size: 14.0×7.0×5.6 mm

9J Series SMD LV-PECL Crystal Oscillators

## Features

- Differential output (LV-PECL)
- Frequency range from 25MHz to 700MHz
- 2.5V /3.3V operation voltage
- Excellent low phase noise and jitter
- 3-state function available
- Automatic mounting and reflow soldering
- Applications: Ethernet, Server, PC, ADC, Storage Area Network, SONET, etc
- RoHS Compliant /Pb Free

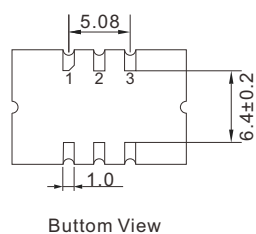
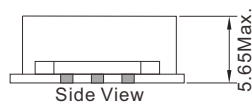
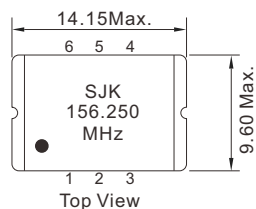


## Standard Specification

Item /Type	9J (SMD LV-PECL Crystal Oscillators)
Output Type	LV-PECL
Output Load	50Ω to Vcc-2V
Supply Voltage	2.5V /3.3V
Frequency Range	25~700 MHz
Supply Current	80mA Max.
Overall Frequency Stability*	±25ppm, ±50ppm, or specify
Operating Temperature	-40~+85°C, or specify
Storage Temperature	-55~+125°C
Voltage Vol (Max.) /Voh (Min.)	Vcc-1.62V / Vcc-1.026V
Rise (Tr) /Fall (Tf) Time	1ns Max.
Start-up Time	10ms Max.
Duty Cycle	45~55%
Phase Noise (156.25MHz) at 1KHz	-120dBc/Hz
Phase Jitter (12KHz~20MHz)	1ps Max.
Aging (at 25°C)	±3ppm /Year Max.
Packing Units	500pcs. /Reel

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

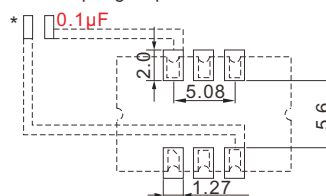
## Dimensions [mm]



### 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



Top View Suggested Layout