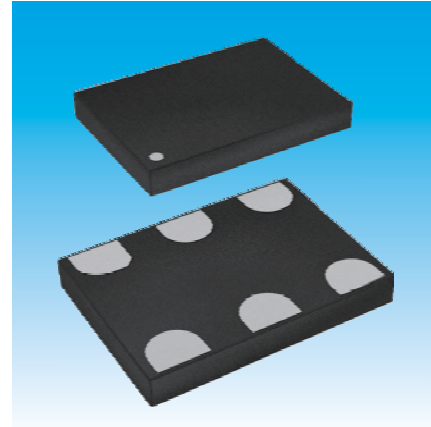


### Features

- Any frequency between 1MHz to 220MHz accurate to 6 decimal place
- LVDS output signaling type
- 0.6ps RMS phase jitter (random) over 12KHz to 20MHz bandwidth
- Industrial and extended commercial temperature range
- Size with 3.2×2.5, 5.0×3.2, 7.0×5.0, mm×mm
- Automatic mounting and reflow soldering
- Applications: 10G Ethernet, SONET, SATA, SAS, Telecom, Storage, Server, etc
- RoHS Compliant /Pb Free



### Standard Specification

Item /Type	SJK9121	
Output Type	LVDS	
Frequency Range	1~220MHz	
Supply Voltage	2.5V/3.3V/2.25~3.63V	
Frequency Stability	±10ppm~±50ppm, or specify	
Operating Temperature	-40~+85°C, -20~+70°C	
Input Voltage High (VIH)	70%Vdd	
Input Voltage Low (VIL)	30%Vdd	
Input Pull-up Impedance	250KΩ Max. (Pin1 Logic High) 2MΩ Min. (Pin1 Logic Low)	
Start-up Time	10ms Max.	
Resume Time	10ms Max.	
Duty Cycle	45~55%	
Current Consumption	55mA Max.	
OE Disable Supply Current	35mA Max.	
Differential Output Voltage	450mV Max.	
Output Disable Leakage Current	1μA Max.	
Standby Current	100μA Max.	
VOD Magnitude Change	50mV	
Offset Voltage	1.375V Max.	
VOS Magnitude Change	50mV Max.	
Rise/Fall Time	700ps Max.	
OE Enable/Disable Time	115ns Max.	
RMS Period Jitter	1.7pS Max.	
RMS Period Jitter (Random)	0.85pS Max.	
Storage Temperature Range	-65~150°C	
Packing Unit	3.2×2.5mm	3000pcs.Reel
	7.0×5.0, 5.0×3.2mm	1000pcs.Reel

# SJK9121 LVDS Output MEMS Oscillator

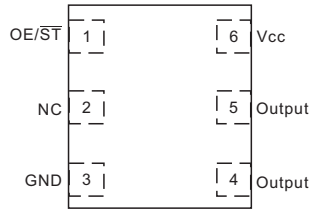


LVDS Output MEMS Oscillator

Frequency: 1~220MHz

## Pin Functions

Top View

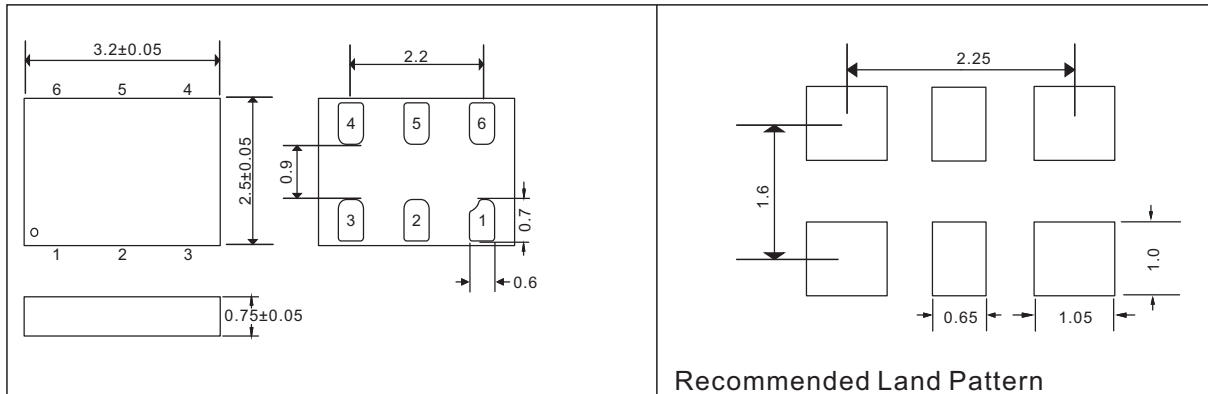


### Pin Connections

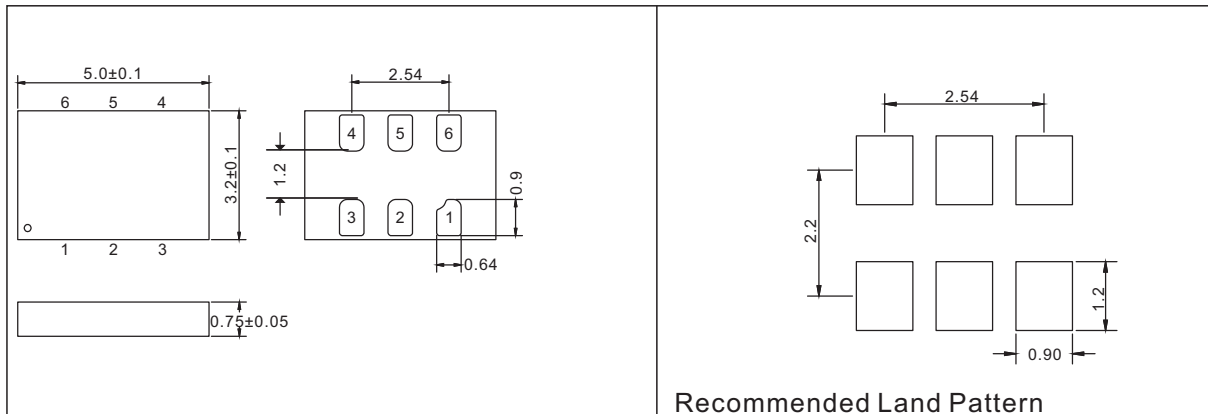
Pin No.	Connection
1	OE /ST
2	NC
3	GND
4	Output (Oscillator Output)
5	Output (Complementary Oscillator Output)
6	Vcc

## Dimensions [mm]

Size: 3.2×2.5×0.75 mm



Size: 5.0×3.2×0.75 mm



Size: 7.0×5.0×0.9 mm

