

### Features

- Differential output LVDS
- Frequency range from 10MHz to 320MHz
- 2.5V/3.3V operation voltage
- Excellent low phase noise and jitter
- 3-state function available
- Automatic mounting and reflow soldering
- Applications: *Ethernet, Server, Telecom, Storage Area Network, SONET, etc*
- RoHS Compliant & Pb Free

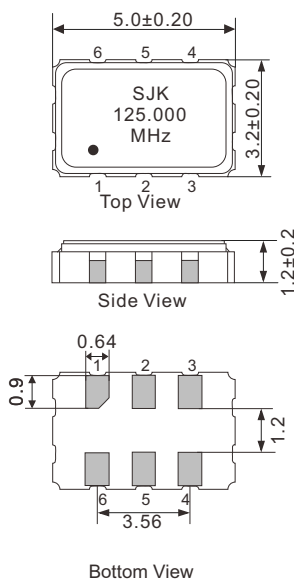


### Standard Specifications

Type	5D SMD LVDS Differential Oscillator
Output Type	LVDS
Output Load	100Ω
Supply Voltage	2.5V / 3.3V
Frequency Range	10~320 MHz
Supply Current	50mA 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.)	0.9V / 1.6V
Rise (Tr) / Fall (Tf) Time	1ns Max.
Start-up Time	3ms Max.
Duty Cycle	45~55%
Phase Noise (156.25MHz) at 1KHz	-105dBc/Hz
Phase Jitter (12KHz~20MHz)	1ps Max.
Aging (at 25°C)	±3ppm /Year Max.
Packing Units	1000pcs. /Reel

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

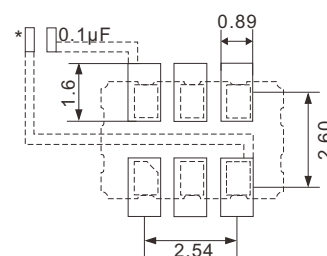
### Dimensions [mm]



### Pin Connections

Pin No.	Connection
1	OE or NC
2	OE or NC
3	GND
4	Output
5	Comp. Output
6	Vcc

\* External decoupling capacitor required



Top View Suggested Layout