

# SMD HCSL Crystal Oscillator



Size: 5.0×3.2×1.2 mm

5H Series SMD HCSL Crystal Oscillators

## Features

- Differential output (HCSL)
- Frequency range from 25MHz to 200MHz
- 2.5V /3.3V operation voltage
- Excellent low phase noise and jitter
- 3-state function available
- Automatic mounting and reflow soldering
- Applications: Ethernet, Server, Telcom, Storage Area Network, SONET, etc
- RoHS Compliant /Pb Free

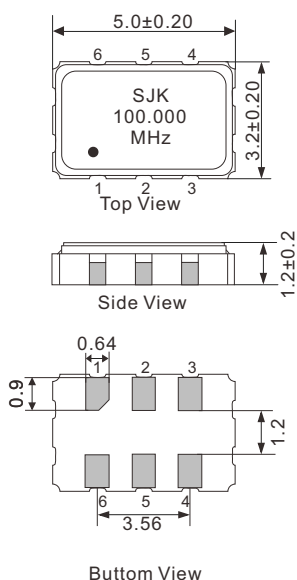


## Standard Specification

Item /Type	5H (SMD 5032 HCSL Crystal Oscillators)
Output Type	HCSL
Output Load	50Ω
Supply Voltage	2.5V /3.3V
Frequency Range	25~200 MHz
Supply Current	30mA 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.)	0mV /740mV
Rise (Tr) /Fall (Tf) Time	0.5ns Max.
Start-up Time	10ms 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

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

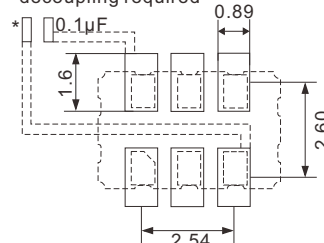
## Dimensions [mm]



## 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