

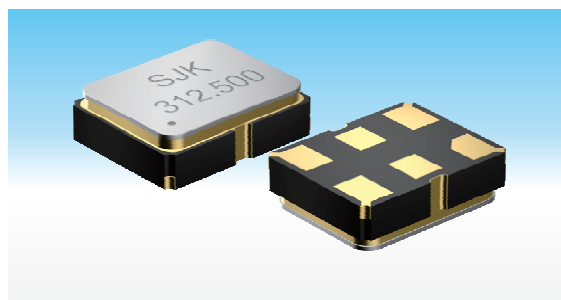
Differential Crystal Oscillator

2H Series SMD2520 HCSL Crystal Oscillator

13.5~625MHz

O: HCSL

Size: 2.5×2.0×0.8mm



Actual size

Features

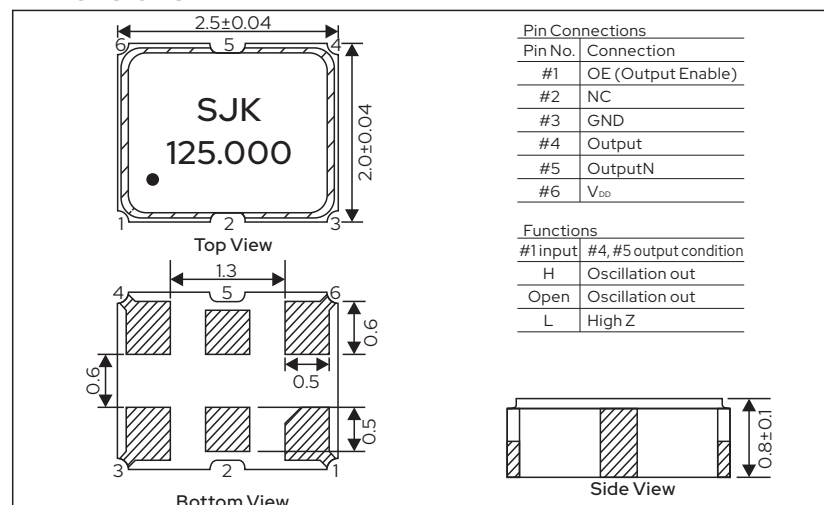
- SMD2016 HCSL output high speed type crystal oscillator
- 3-state function
- Crystals based on high fundamental frequency technology
- Operating voltage: 1.8V / 2.5V / 3.3V
- High frequency range: 13.5MHz~625MHz
- Ultra low phase jitter: 60fs Typ. (RMS jitter)
- Application for Servers, Optical transmission device, Data center, PCIe, 5G/6G base station, Storage, NAS, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	2H Series SMD 2520 HCSL Crystal Oscillator
Output Type		HCSL
Load condition		50Ω
Frequency Range		13.5MHz~625MHz
Supply Voltage		1.8V / 2.5V / 3.3V
Frequency Stability (All Condition)		±20ppm, ±25ppm, ±30ppm, ±50ppm, ±100ppm, or specify
Current Consumption		45mA max.
Stand-by Current		30μA max.
Symmetry		45~55%
0 Level Output Voltage (V _{OL})		-150~+150 mV
1 Level Output Voltage (V _{OH})		550~900 mV
Rise Time / Fall Time		0.6ns max.
OE Pin 0 Level Input Voltage (V _{IL})		0.3V _{DD} max.
OE Pin 1 Level Input Voltage (V _{IH})		0.7V _{DD} min.
Output Voltage Swing		950mV max
Start-up Time		10ms max.
Operating Temperature Range		-20~+70°C, -40~+85°C, or specify
Storage Temperature Range		-55~+125°C
Phase Jitter (12KHz~20MHz)		60fs Typ.

Dimensions



Recommended Land Pattern [mm]

