

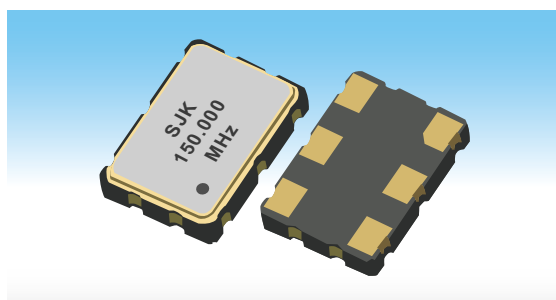
VCXO / Voltage Controlled Crystal Oscillator

7VH Series SMD 7050 HCSL VCXO

15~700MHz

O: HCSL

Size: 7.0×5.0×1.4mm



Actual size

Features

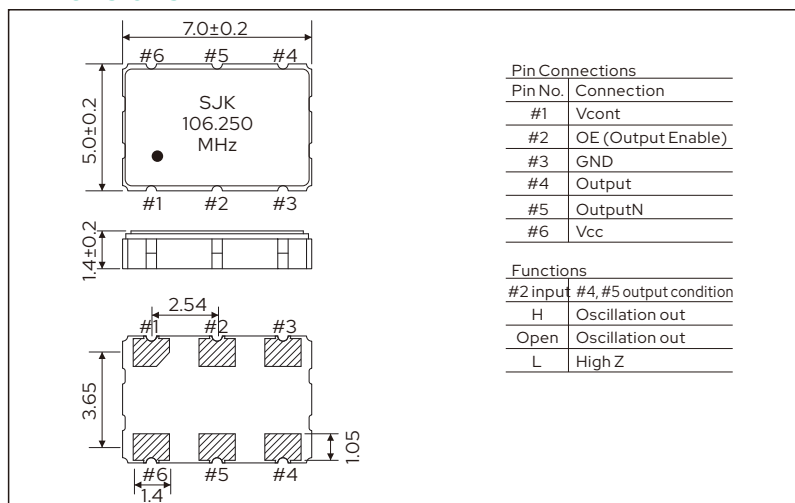
- SMD 7050 HCSL output high frequency VCXO
- 3-state function
- Operating voltage: 1.8V / 2.5V / 3.3V
- High frequency range: 15MHz~700MHz
- Low current consumption
- Low phase noise and jitter
- Application for set-top boxes, SONET /ATM, FPGAs, Fibre Channel, Wireless repeaters, Transponders, HDTV, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	7VH Series SMD 7050 HCSL VCXO		
Output Type		HCSL		
Load condition		50Ω		
Frequency Range		15MHz~700MHz		
Supply Voltage		1.8V	2.5V	3.3V
Frequency Control Voltage		0.9V±0.9V	1.25V±1.0V	1.65V±1.35V
Frequency Stability (All Condition)		±25ppm, ±50ppm, ±100ppm, or specify		
Frequency Adjustment Range		±100ppm min., or specify		
Current Consumption		100mA max.		
Current with Output Disable		79mA typ.		
Symmetry		45~55%		
0 Level Output Voltage (V _{OL})		-0.15V min. ~ 0.15V max.		
1 Level Output Voltage (V _{OH})		0.66V min. ~ 1.15V max.		
Rise Time / Fall Time		0.4ns max.		
OE Pin 0 Level Input Voltage (V _{IL})		0.2V _{CC} max.		
OE Pin 1 Level Input Voltage (V _{IH})		0.8V _{CC} min.		
Phase Jitter (12KHz~20MHz)		163fs typ.		
Start-up Time		10ms max.		
Linearity		10% max.		
Input Impedance		5MΩ min.		
Operating Temperature Range		-20~+70°C, -40~+85°C, or specify		
Storage Temperature Range		-55~+125°C		
Packing unit		1000 pcs./reel		

Dimensions



Recommended Land Pattern [mm]

