

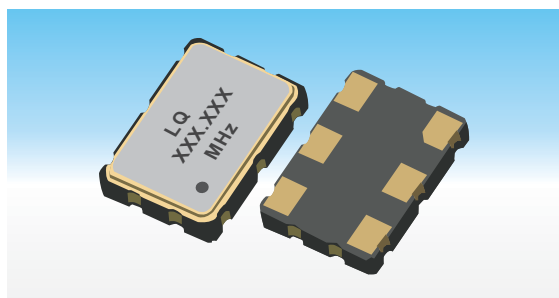
# VCXOs / Voltage Controlled Crystal Oscillators

7VH Series SMD 7050 HCSL VCXOs

15~700MHz

O: HCSL

Size: 7.0×5.0×1.4 mm



Actual size

## Features

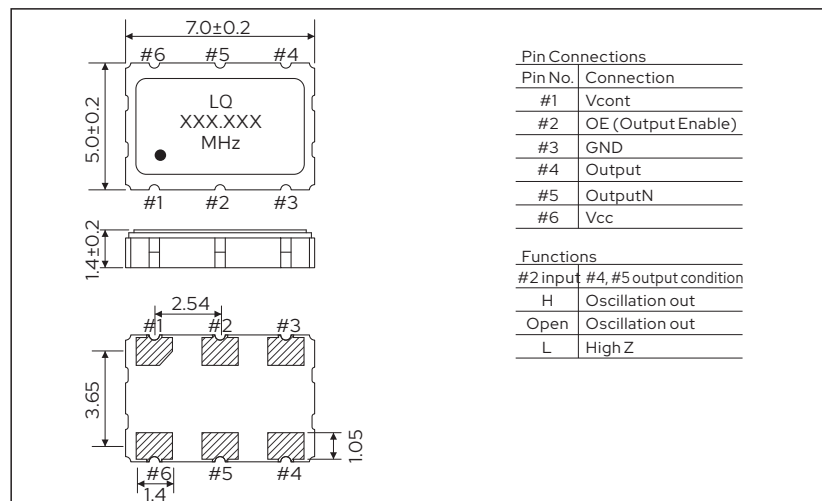
- SMD 7050 HCSL high frequency VCXOs
- 3-state function
- Operating voltage: 1.8V / 2.5V / 3.3V
- High frequency range: 15MHz~700MHz
- Low current consumption
- Low phase noise and jitter
- Application for set-top boxes, SONET /ATM, FPGAs, Fibre Channel, Wireless repeaters, Transponders, HDTV, etc
-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



## Standard Specifications

Item	Type	7VH Series SMD 7050 HCSL VCXOs		
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±1.25V	1.65V±1.65V
Frequency Stability (All Condition)		±25ppm, ±50ppm, ±100ppm, or specify		
Frequency Adjustment Range		±100ppm min., or specify		
Current Consumption		100mA max.		
Stand-by Current		30μA max.		
Symmetry		45~55%		
0 Level Output Voltage (V <sub>OL</sub> )		V <sub>cc</sub> -1.85V~V <sub>cc</sub> -1.6V		
1 Level Output Voltage (V <sub>OH</sub> )		V <sub>cc</sub> -1.03V~V <sub>cc</sub> -0.6V		
Rise Time / Fall Time		0.4ns max.		
OE Pin 0 Level Input Voltage (V <sub>IL</sub> )		0.3V <sub>cc</sub> max.		
OE Pin 1 Level Input Voltage (V <sub>IH</sub> )		0.7V <sub>cc</sub> min.		
Phase Jitter (12KHz~20MHz)		150fs typ.		
Start-up Time		10ms max.		
Linearity		10% max.		
Input Impedance		5MΩ min.		
Operating Temperature Range		-20~+70C, -40~+85°C, -55~+85°C, -40~+105°C, -55~+125°C or specify		
Storage Temperature Range		-55~+125°C		
Packing unit		1000 pcs./reel		

## Dimensions



## Recommended Land Pattern [mm]

