

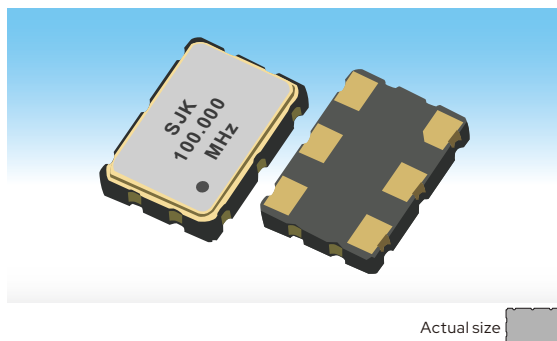
VCXO / Voltage Controlled Crystal Oscillator

6S Series SMD 7050 VCXO

1.25~250MHz

O: CMOS

Size: 7.0×5.0×1.4mm



Features

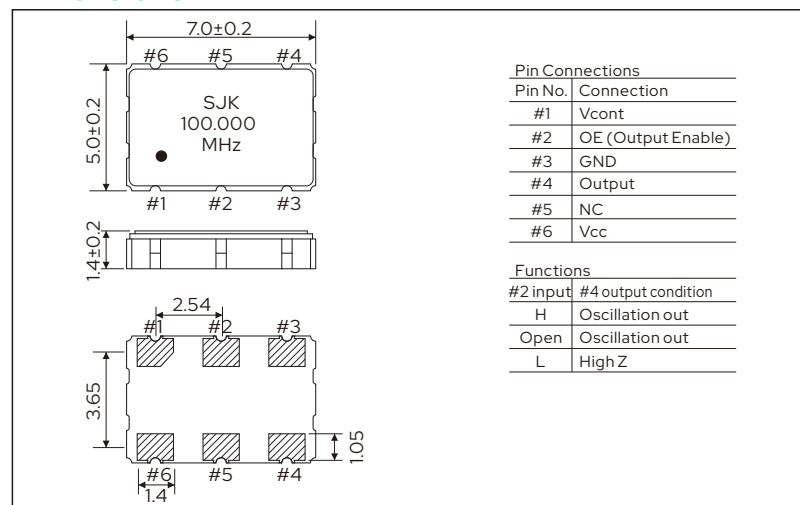
- SMD 7050 VCXO (Voltage Controlled Crystal Oscillator)
- 3-state function
- Operating voltage: 1.8V~3.3V
- CMOS output, High frequency range: 1.25MHz~250MHz
- Low current consumption
- Low phase noise and jitter
- Application for set-top boxes, SONET /ATM, FPGAs, Fibre Channel, Wireless repeaters, Transponders, HDTV, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	6S Series SMD 7050 VCXOs		
Output Type		CMOS		
Load condition		15pF, or specify		
Frequency Range		16MHz~50MHz	1.25MHz~50MHz	10MHz~250MHz
Supply Voltage		1.8V / 3.3V	3.3V	2.5V / 3.3V
Frequency Control Voltage		0.9V±0.9V, 1.25V±1.25V	1.25V±1.25V	1.25V±1.25V, 1.65V±1.65V
Frequency Stability (All Condition)		±25ppm, ±50ppm, ±100ppm, or specify		
Frequency Adjustment Range		±80ppm min., or specify		
Current Consumption		45mA max.		40mA max.
Stand-by Current		30μA max.		
Symmetry		45~55%		
0 Level Output Voltage (V _{OL})		V _{CC} ×0.1 max.		
1 Level Output Voltage (V _{OH})		V _{CC} ×0.9 min.		
Rise Time / Fall Time		10ns max.		
OE Pin 0 Level Input Voltage (V _{IL})		0.3V _{CC} max.		
OE Pin 1 Level Input Voltage (V _{IH})		0.7V _{CC} min.		
Phase Jitter (12KHz~20MHz)		1.6ps max.		
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]

