

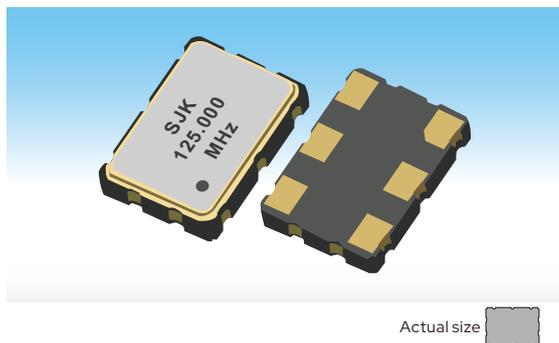
VCXO / Voltage Controlled Crystal Oscillator

7P Series SMD 7050 LVPECL VCXO

10~2100MHz

O: LVPECL

Size: 7.0×5.0×1.4mm



Features

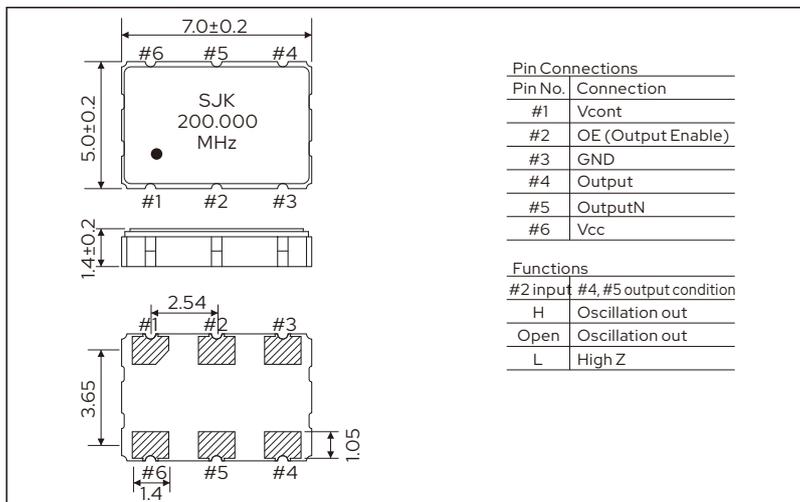
- SMD 7050 LVPECL output high frequency VCXO
- 3-state function
- Operating voltage: 2.5V / 3.3V
- High frequency range: 10MHz~2100MHz
- Low current consumption
- Low phase noise and jitter
- Application for set-top boxes, SONET /ATM, FPGAs, Fibre Channel, Wireless repeaters, Transponders, HDTV, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	7P Series SMD 7050 LVPECL VCXO	
Output Type		LVPECL	
Load condition		50Ω to Vcc-2V	
Frequency Range		10MHz~1500MHz	15MHz~2100MHz
Supply Voltage		2.5V / 3.3V	
Frequency Control Voltage		1.25V±1.0V / 1.65V±1.35V	
Frequency Stability (All Condition)		±25ppm, ±50ppm, ±100ppm, or specify	
Frequency Adjustment Range		±80ppm min., or specify	
Current Consumption		60mA max.	120mA max.
Current with Output Disable		16mA typ.	99mA typ.
Symmetry		45~55%	
0 Level Output Voltage (V _{OL})		Vcc-1.85V~Vcc-1.6V	Vcc-2.0V~Vcc-1.55V
1 Level Output Voltage (V _{OH})		Vcc-1.03V~Vcc-0.6V	Vcc-1.165V~Vcc-0.8V
Rise Time / Fall Time		0.5ns max.	0.4ns max.
OE Pin 0 Level Input Voltage (V _{IL})		0.3Vcc max.	
OE Pin 1 Level Input Voltage (V _{IH})		0.7Vcc min.	
Phase Jitter (12KHz~20MHz)		0.6ps max.	163fs max.
Start-up Time		10ms max.	
Linearity		10% max.	
Input Impedance		1MΩ typ.	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]

