

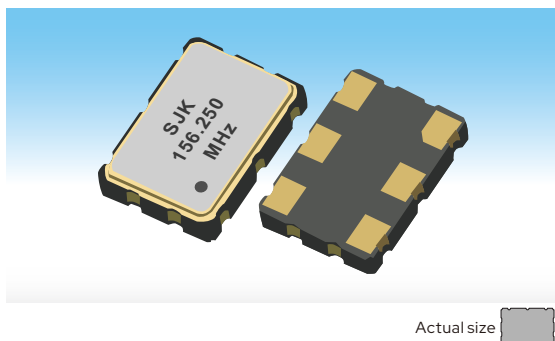
VCXO / Voltage Controlled Crystal Oscillator

6V Series SMD 7050 LVDS VCXO

10~2100MHz

O: LVDS

Size: 7.0×5.0×1.4mm



Features

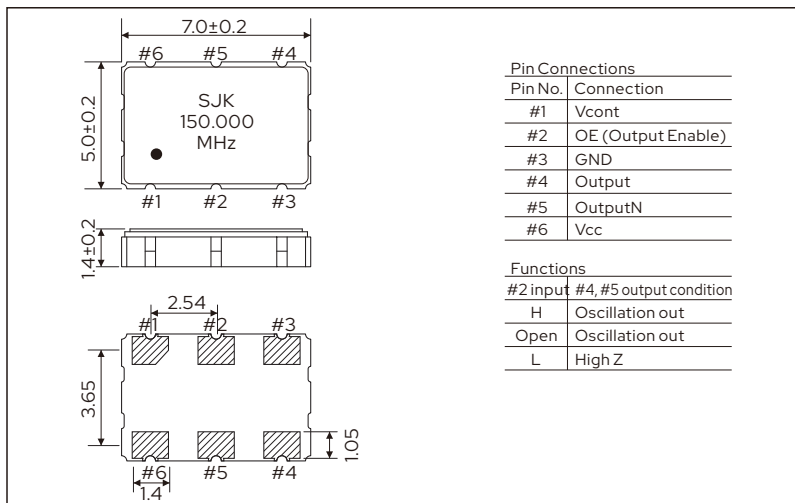
- SMD 7050 LVDS output high frequency VCXO
- 3-state function
- Operating voltage: 1.8V / 2.5V / 3.3V
- High frequency range: 10MHz~2100MHz
- Low current consumption
- Low phase noise and jitter
- Application for set-top boxes, SONET /ATM, FPGAs, Fibre Channel, Wireless repeaters, Transponders, HDTV, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	6V Series SMD 7050 LVDS VCXO	
Output Type		LVDS	
Load condition		100Ω	
Frequency Range		10MHz~1500MHz	15MHz~2100MHz
Supply Voltage		2.5V / 3.3V	1.8V / 2.5V / 3.3V
Frequency Control Voltage		1.25V±1.0V / 1.65V±1.35V	0.9V±0.9V / 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		40mA max.	90mA max.
Current with Output Disable		16mA typ.	74mA typ.
Symmetry		45~55%	
0 Level Output Voltage (V _{OL})		1.1V typ., 0.9V min.	
1 Level Output Voltage (V _{OH})		1.4V typ., 1.6V max.	
Rise Time / Fall Time		0.4ns 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)		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]

