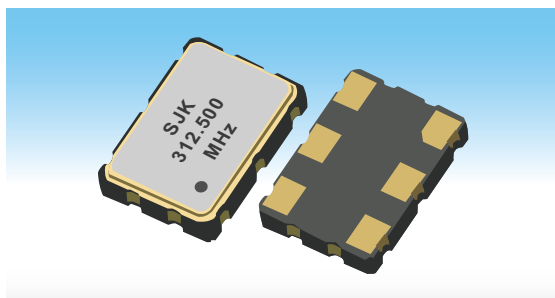


SMD Differential Crystal Oscillator

7J Series SMD 7050 LVPECL Crystal Oscillator 10.0~2100MHz O: LVPECL Size: 7.0×5.0×1.5mm



Features

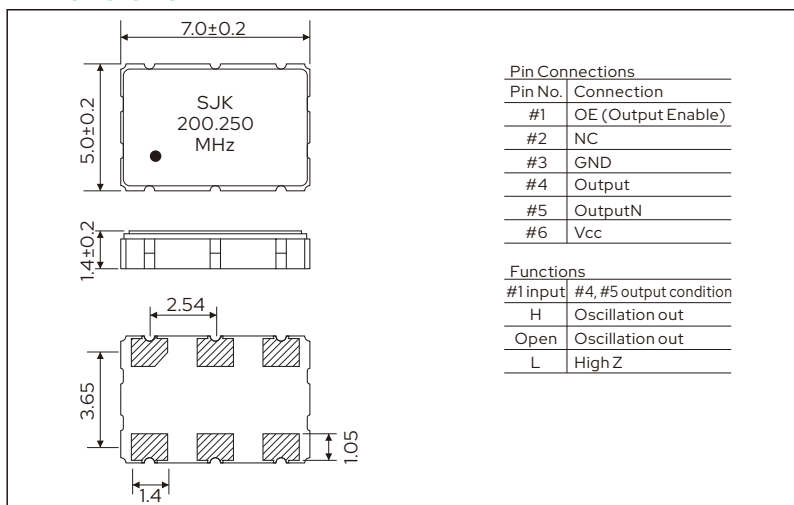
- SMD 7050 LVPECL output high speed type crystal oscillator
- 3-state function
- Operating voltage: 2.5V / 3.3V
- High frequency range: 13.5MHz~2100MHz
- Very low phase jitter: <1 pS (0.6 pS, Typ.) RMS
- Low phase noise and jitter
- Application for server, Optical transmission device, Base station, Ethernet, Telecommunications, Automotive, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	7J Series SMD 7050 LVPECL Crystal Oscillators		
Output Type		LVPECL		
Load condition		50Ω to Vcc-2V		
Frequency Range		13.5MHz~220MHz	10MHz~1500MHz	150MHz~2100MHz
Supply Voltage		2.5V / 3.3V		
Frequency Stability (All Condition)		±25ppm, ±50ppm, ±100ppm, or specify		
Current Consumption		50mA max.	60mA max.	120mA max.
Stand-by Current		10μA max.		
Symmetry		45~55%		
0 Level Output Voltage (V _{OL})		Vcc-1.85V ~ Vcc-1.6V	Vcc-1.85V ~ Vcc-1.6V	Vcc-1.165V ~ Vcc-0.8V
1 Level Output Voltage (V _{OH})		Vcc-1.03V ~ Vcc-0.6V	Vcc-1.03V ~ Vcc-0.6V	Vcc-2.0V ~ Vcc-1.55V
Rise Time / Fall Time		0.5ns max.		
OE Pin 0 Level Input Voltage (V _{IL})		0.3Vcc max.		
OE Pin 1 Level Input Voltage (V _{IH})		0.7Vcc min.		
Output Voltage Swing		930mV max.	930mV max.	930mV max.
Start-up Time		10ms max.		
Operating Temperature Range		-20~+70°C, -40~+85°C, or specify		
Storage Temperature Range		-55~+125°C		
Phase Jitter (12KHz~20MHz)		0.5ps max.	0.8ps typ.	163fs typ.

Dimensions



Recommended Land Pattern [mm]

