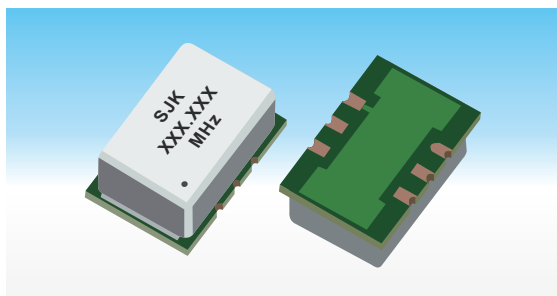


SMD Differential Crystal Oscillator

9J Series SMD1409 LVPECL Crystal Oscillator 5~700MHz O: LVPECL Size: 14.0×9.0×6.7mm



Features

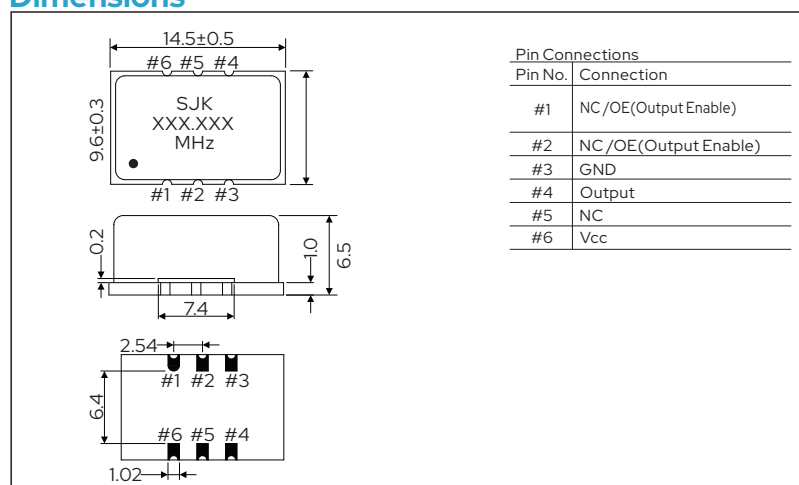
- SMD1409 LVPECL output high speed type crystal oscillator
- 3-state function available
- Operating voltage: 2.5V /3.3V
- High frequency range: 5MHz~700MHz
- Very low phase jitter: <1 pS (0.6 pS, Typ.) RMS
- Low phase noise and jitter
- Application for base station, Network, Telecom, Datacom, Video systems, Test Equipment, Switches, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	9J Series SMD1409 LVPECL Output Crystal Oscillator
Output Type		LVPECL
Load condition		50Ω to Vcc-2V
Frequency Range		5MHz~700MHz
Supply Voltage		2.5V /3.3V
Frequency Stability (All Condition)		±20ppm, ±25ppm, ±35ppm, ±50ppm, or specify
Current Consumption		100mA max.
Stand-by Current		10μA max.
Symmetry		45~55%
0 Level Output Voltage (V _{OL})		Vdd-1.55V max.
1 Level Output Voltage (V _{OH})		Vdd-1.2V min.
Rise Time / Fall Time		0.8ns 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		450mV min.
Start-up Time		2ms max.
Operating Temperature Range		-20~+70°C, -40~+85°C, or specify
Storage Temperature Range		-55~+125°C
Phase Jitter (12KHz~20MHz)		1ps max.

Dimensions



Recommended Land Pattern [mm]

