

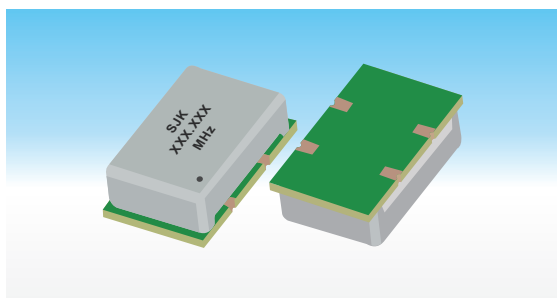
SMD Crystal Oscillator

9N Series SMD1409 Crystal Oscillator

10~170MHz

O: CMOS

Size: 14.0×9.0×5.3mm



Features

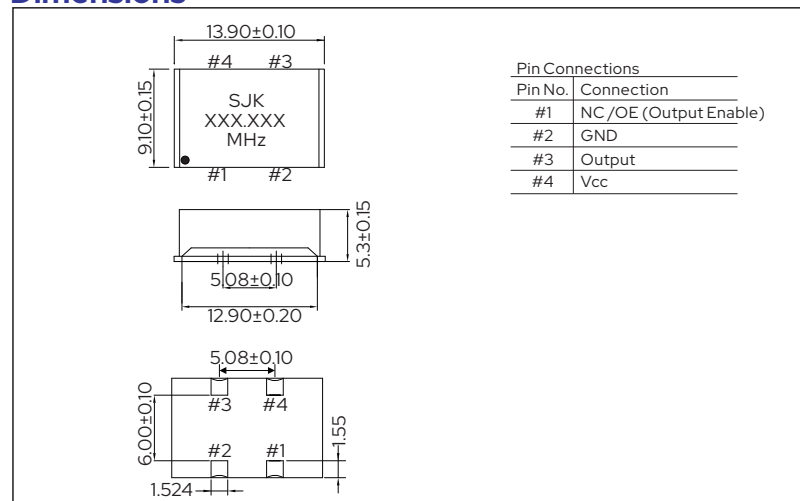
- SMD1409 high frequency crystal oscillator
- 3-state function available
- Operating voltage: 2.5V /3.3V
- CMOS Output High frequency range: 10MHz~170MHz
- Very low phase jitter: <1 pS (0.6 pS, Typ.) RMS
- Low phase noise and jitter
- Application for base station, Network, Telecom, Datacom, Video systems, Test Equipment, Switches, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	9N Series SMD1409 Crystal Oscillator
Output Type		CMOS
Load condition		15pF, orspecify
Frequency Range		10MHz~170MHz
Supply Voltage		3.3V /5.0V
Frequency Stability (All Condition)		±20ppm, ±25ppm, ±35ppm, ±50ppm, or specify
Current Consumption		40mA max.
Stand-by Current		20μA max.
Symmetry		45~55%
0 Level Output Voltage (V _{OL})		0.1×V _{dd} max.
1 Level Output Voltage (V _{OH})		0.9×V _{dd} min.
Rise Time / Fall Time		3.0ns 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.
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]

