

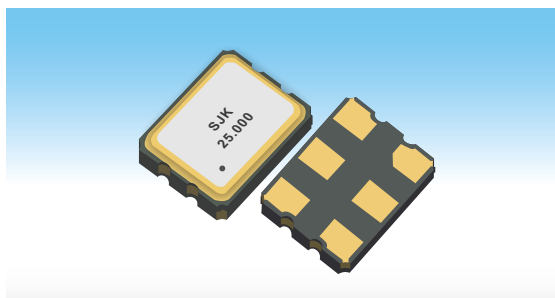
VCXO / Voltage Controlled Crystal Oscillator

3S Series SMD 3225 VCXO

1.25~250MHz

O: CMOS

Size: 3.2×2.5×1.0mm



Actual size

Features

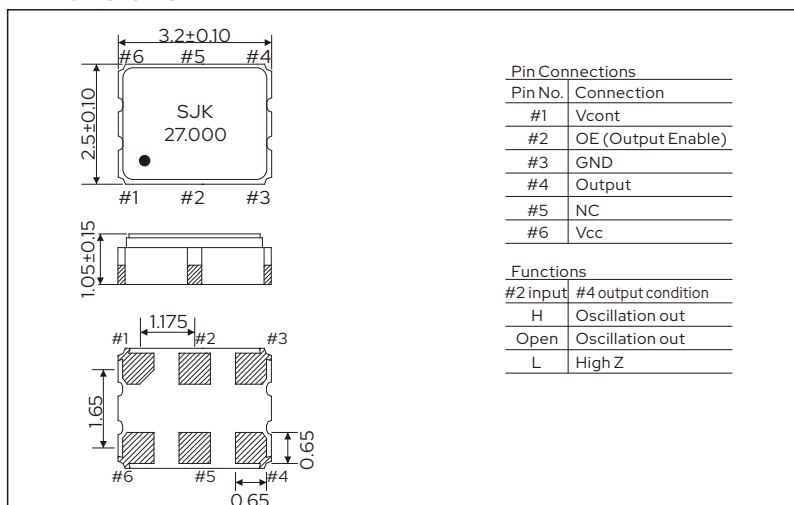
- SMD 3225 VCXO (Voltage Controlled Crystal Oscillator)
- 3-state function
- Operating voltage: 1.8V~3.3V
- CMOS output with high frequency range: 1.25MHz~250MHz
- Low current consumption
- Low phase noise and jitter
- Application for set-top boxes, SONET /ATM, FPGAs, Fibre Channel, Wireless repeaters, Transponders, HDTV, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	3S Series SMD 3225 VCXO	
Output Type		CMOS	
Load condition		15pF, or specify	
Frequency Range		1.25MHz~50MHz	50MHz~250MHz
Supply Voltage		1.8V / 3.3V	2.5V / 3.3V
Control Voltage Center		0.9V / 1.65V	1.25V / 1.65V
Control Voltage Range		0.0V~1.8V / 0.3V~3.0V	0.25V~2.25V / 0.3V~3.0V
Frequency Stability (All Condition)		±25ppm, ±50ppm, ±100ppm, or specify	
Frequency Adjustment Range		±80ppm min., or specify	
Current Consumption		45mA max.	48mA max.
Symmetry		40~60%	45~55%
0 Level Output Voltage (V _{OL})		V _{CC} ×0.1 max.	
1 Level Output Voltage (V _{OH})		V _{CC} ×0.9 min.	
Rise Time / Fall Time		6ns max.	1ns 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)		1.0ps max.	0.6ps typ.
Start-up Time		10ms max.	
Linearity		10% max.	
Input Impedance		5MΩ typ.	1MΩ typ.
Operating Temperature Range		-20~+70°C, -40~+85°C, or specify	
Storage Temperature Range		-55~+125°C	
Packing unit		3000 pcs/reel	

Dimensions



Recommended Land Pattern [mm]

