

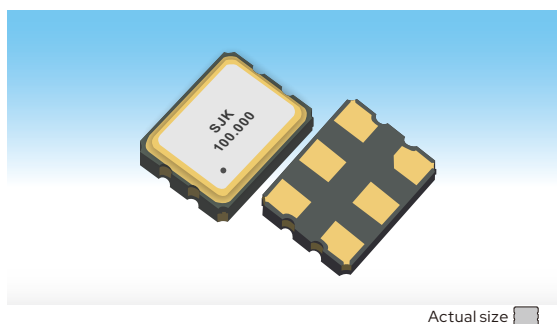
VCXO / Voltage Controlled Crystal Oscillator

3V Series SMD 3225 LVDS VCXO

10~1500MHz

O: LVDS

Size: 3.2×2.5×1.0mm



Actual size

Features

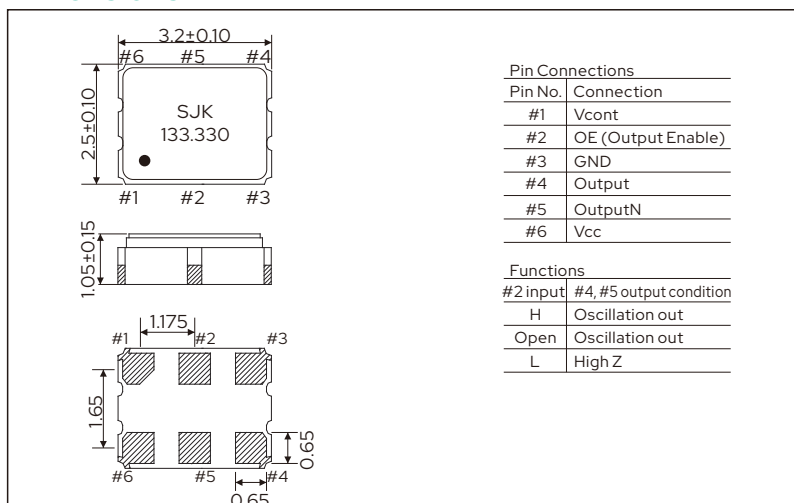
- SMD 3225 LVDS output high frequency VCXO
- 3-state function
- Operating voltage: 2.5V / 3.3V
- High frequency range: 10MHz~1500MHz
- Low current consumption
- Low phase noise and jitter
- Application for set-top boxes, SONET /ATM, FPGAs, Fibre Channel, Wireless repeaters, Transponders, HDTV, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	3V Series SMD 3225 LVDS VCXO
Output Type		LVDS
Load condition		100Ω
Frequency Range		10MHz~1500MHz
Supply Voltage	2.5V	3.3V
Frequency Control Voltage	1.25V±1.25V	1.65V±1.65V
Frequency Stability (All Condition)		±25ppm, ±50ppm, ±100ppm, or specify
Frequency Adjustment Range		±80ppm min., or specify
Current Consumption		40mA max.
Current with Output Disable		16mA typ.
Symmetry		45~55%
0 Level Output Voltage (V _{OL})		1.1V~0.9V min.
1 Level Output Voltage (V _{OH})		1.4V~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 typ.
Start-up Time		10ms max.
Linearity		10% max.
Input Impedance		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]

