

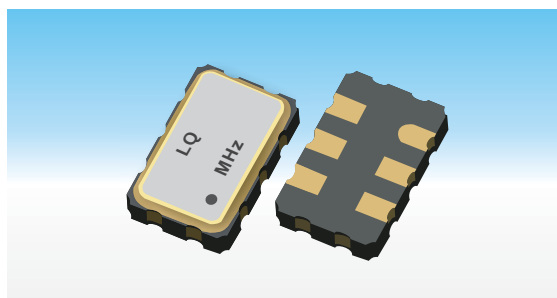
VCXOs / Voltage Controlled Crystal Oscillators

5V Series SMD 5032 LVDS VCXOs

10~2100MHz

O: LVDS

Size: 5.0 × 3.2 × 1.2 mm



Actual size

Features

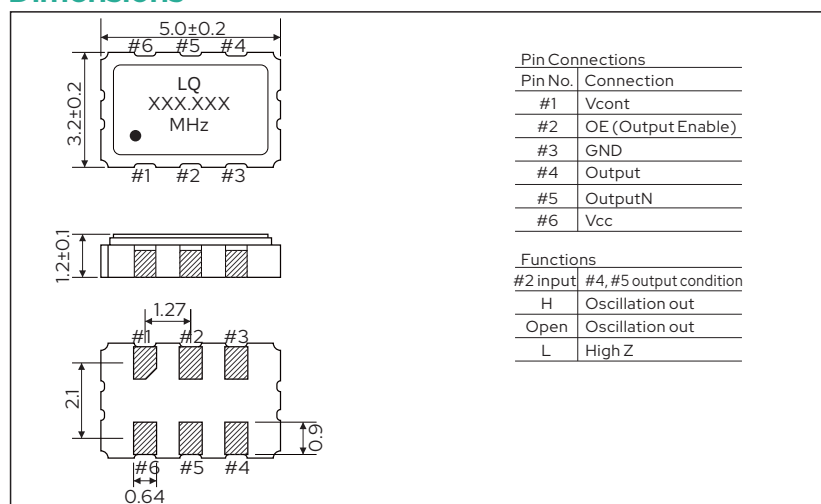
- SMD 5032 LVDS high frequency VCXOs
- 3-state function
- Operating voltage: 1.8V / 2.5V / 3.3V
- High frequency range: 10MHz~2100MHz
- Low current consumption
- Low phase noise and jitter
- Application for set-top boxes, SONET /ATM, FPGAs, Fibre Channel, Wireless repeaters, Transponders, HDTV, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	5V Series SMD 5032 LVDS VCXOs		
Output Type		LVDS		
Load condition		100Ω		
Frequency Range		10MHz~2100MHz		
Supply Voltage		1.8V	2.5V	3.3V
Frequency Control Voltage		0.9V±0.9V	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		90mA max.		
Stand-by Current		30μA max.		
Symmetry		45~55%		
0 Level Output Voltage (V _{OL})		1.1V typ., 0.9V min.		
1 Level Output Voltage (V _{OH})		1.4V typ., 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)		1.5ps max.		
Start-up Time		10ms max.		
Linearity		10% max.		
Input Impedance		5MΩ min.		
Operating Temperature Range		-20~+70°C, -40~+85°C, -55~+85°C, -40~+105°C, -55~+125°C or specify		
Storage Temperature Range		-55~+125°C		
Packing unit		1000 pcs/reel		

Dimensions



Recommended Land Pattern [mm]

