

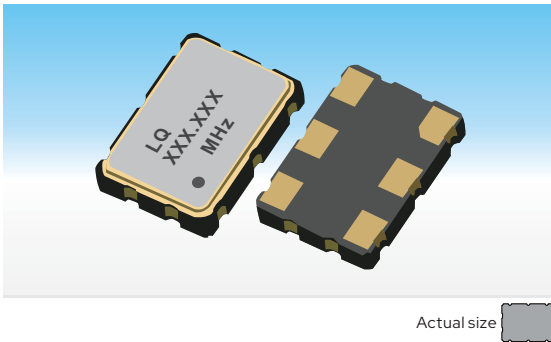
SMD Crystal Oscillators

7J Series SMD 7050 LV-PECL Crystal Oscillators

13.5~2100MHz

O: LV-PECL

Size: 7.0 × 5.0 × 1.4 mm



Features

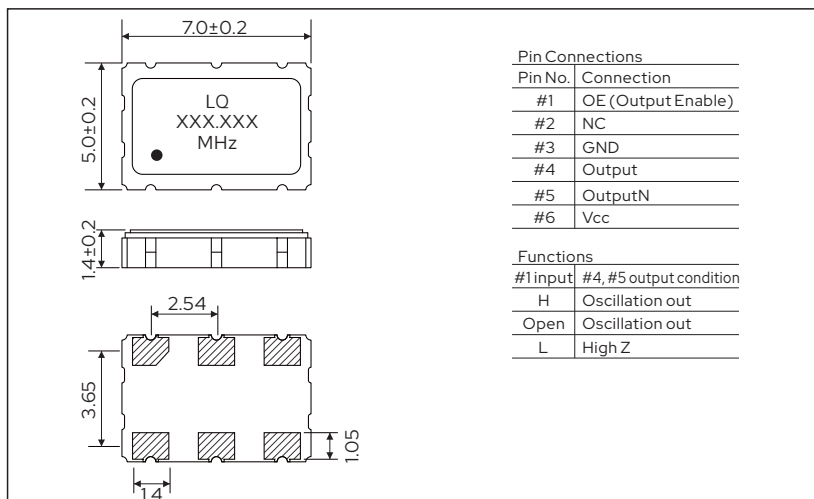
- SMD 7050 LV-PECL output high speed type crystal oscillator
- 3-state function
- Operating voltage: 2.5V / 3.3V
- High frequency range: 13.5MHz~2100MHz
- Very low phase jitter: <1 pS (0.6 pS, Typ.) RMS
- Low phase noise and jitter
- Application for server, Optical transmission device, Base station, Ethernet, Telecommunications, Automotive, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	7J Series SMD 7050 LV-PECL Crystal Oscillators		
Output Type		LV-PECL		
Load condition		50Ω to Vcc-2V		
Frequency Range		13.5MHz~220MHz	100MHz~250MHz	150MHz~2100MHz
Supply Voltage		2.5V / 3.3V		
Frequency Stability (All Condition)		±25ppm, ±50ppm, ±100ppm, or specify		
Current Consumption		50mA max.	65mA max.	120mA max.
Stand-by Current		10μA max.		
Symmetry		45~55%		
0 Level Output Voltage (V _{OL})		Vcc-1.81V ~ Vcc-1.62V		
1 Level Output Voltage (V _{OH})		Vcc-1.025V ~ Vcc-0.88V		
Rise Time / Fall Time		0.5ns 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		400mV min.	200mV min.	595mV min.
Start-up Time		10ms max.		
Operating Temperature Range		-20~+70C. -40~+85°C, -55~+85°C . -40~+105°C . -55~+125°C or specify		
Storage Temperature Range		-55~+125°C		
Phase Jitter (12KHz~20MHz)		0.5ps max.		

Dimensions



Recommended Land Pattern [mm]

