

SMD LVDS Crystal Oscillator

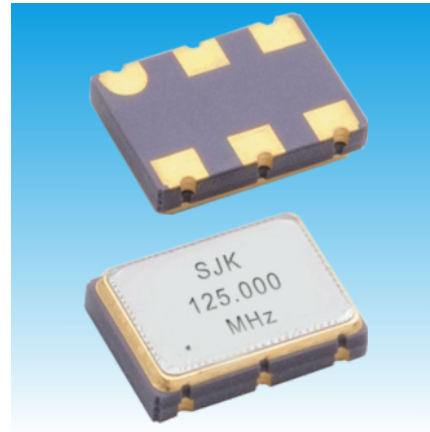


Size: 7.0×5.0×1.3 mm

7B Series SMD LVDS Crystal Oscillators

Features

- Differential output Crystal Oscillator (LVDS)
- Frequency range from 10MHz to 1500MHz
- 2.5V /3.3V operation voltage
- Excellent low phase noise and jitter
- 3-state function available
- Automatic mounting and reflow soldering
- Applications: Ethernet, Server, PC, ADC, Storage Area Network, SONET, etc
- RoHS Compliant /Pb Free

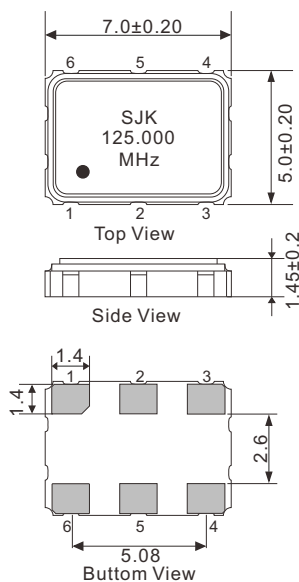


Standard Specification

Item /Type	7B (SMD 7050 LVDS Crystal Oscillators)	
Output Type	LVDS	
Output Load	100Ω	
Supply Voltage	2.5V /3.3V	
Frequency Range	10~320 MHz	10~1500 MHz
Supply Current	65mA Max.	50mA Max.
Overall Frequency Stability*	±25ppm, ±50ppm, or specify	
Operating Temperature	-40~+85°C, or specify	
Storage Temperature	-55~+125°C	
Voltage Vol (Max.) /Voh (Min.)	0.9V / 1.6V	
Rise (Tr) /Fall (Tf) Time	1ns Max.	
Start-up Time	2ms Max.	10ms Max.
Duty Cycle	45~55%	
Phase Noise (156.25MHz) at 1KHz	-130dBc/Hz	-113dBc/Hz
Phase Jitter (12KHz~20MHz)	1ps Max.	
Aging (at 25°C)	±3ppm /Year Max.	
Packing Units	1000pcs. /Reel	

* Inclusive of frequency tolerance at 25°C, variation over temperature, supply voltage variation, aging and vibration.

Dimensions [mm]



Pin Connections

Pin No.	Connection
1	OE or NC
2	OE or NC
3	GND
4	Output
5	Comp. Output
6	Vcc

* External high frequency power supply decoupling required

