

# SMD 7050 LVDS Crystal Oscillator

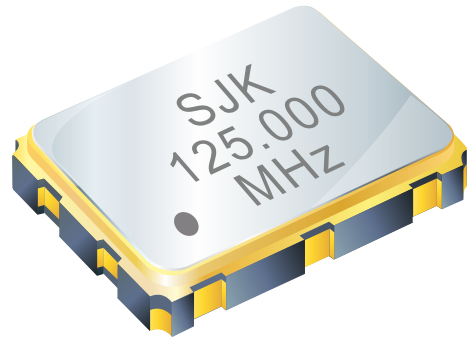


Size: 7.0×5.0×1.30 mm

7D Series SMD LVDS Oscillator

## Features

- Fundamental /3rd overtone solution.
- 3.3V / 2.5V operation voltage.
- Package size: 7.0×5.0×1.30 mm.
- LVDS output, output frequencies 25MHz to 200MHz.
- Excellent low phase noise and jitter.
- 3-state function available.
- Automatic mounting and reflow soldering.
- Applications: Ethernet, Server, SDH, SONET, PC, Mobile Telecommunications, etc.
- RoHS Compliant / Pb-Free.



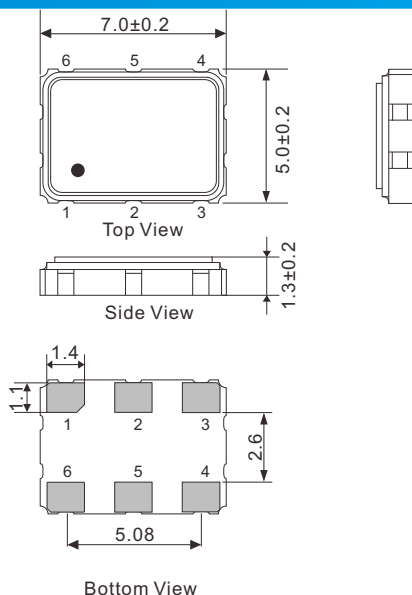
## Electrical Specifications

Item /Type	7D (SMD 7050 LVDS Crystal Oscillator)
Output Type	LVDS
Output Load	100 Ω
Oscillation Mode	Fundamental / 3rd Overtone
Supply voltage	2.5V, 3.3V
Frequency range	25MHz~200MHz
Overall Frequency Stability*	±50ppm, or specify
Operating Temperature Range	-20~+70°C, -40~+85°C, or specify
Storage Temperature Range	-55~+125°C
Voltage Vol (Typ.) / Voh (Typ.)	0.9V / 1.6V
Rise(Tr) / Fall(Tf) Time(20%~80%)	1ns Max.
Supply Current	80mA Max.
Symmetry	45~55%
Start-up Time	10ms Max.
Phase Jitter(12KHz~20MHz)	1pS Max.

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

## Dimensions

Units:mm



**PAD FUNCTION:**  
 1: ENABLE CONTROL or NC  
 2: ENABLE CONTROL or NC  
 3: GND  
 4: OUT  
 5: OUTN  
 6: VDD

\* External high frequency power supply decoupling required.

