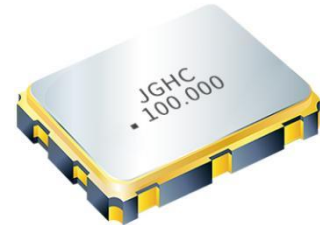


# SMD LVDS Crystal Oscillators Differential Output 7.0x5.0x1.3mm X7D Series



## Features

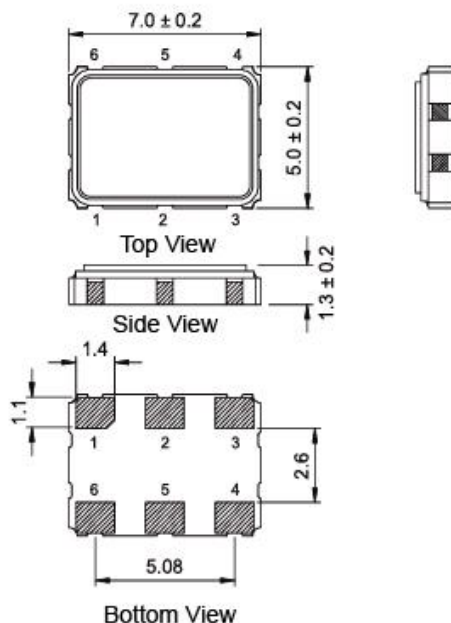
- Fundamental solution.
- 3.3V and 2.5V operation available.
- LVDS output, output frequencies 25 MHz to 200 MHz.
- Excellent low phase noise and jitter.
- Tri-state function available.
- Applications : Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH / SONET.
- RoHS compliant / Pb Free.



## Crystals specifications

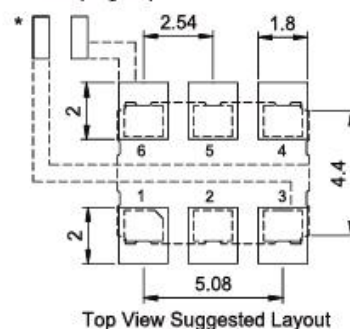
ITEMS/TYPE	X7D
Frequency Range	25 ~ 200 MHz
Output Type	LVDS
Oscillation Mode	Fundamental / 3rd Overtone
Output Load	100Ω
Supply Voltage (VDD)	2.5V, 3.3V
Total Frequency Stability	±50ppm , or specify
Operating Temperature Range	- 40~+85°C, or specify
Storage Temperature Range	- 55~+125 °C
Voltage Vol ( Max.) / Voh ( Min.)	VDD - 1.62 V / VDD - 1.025 V
Rise ( Tr ) / Fall ( Tf )Time(20 %~80 %)	1nS Max.
Supply Current	80mA Max.
Symmetry	45~55 %
Start-up Time	10mS Max.
Phase Jitter ( 12 KHz ~ 20 MHz )	1pS Max.

## Dimensions and patterns(unit: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.



Units:mm