

SMD HCSL Crystal Oscillators

Differential Output

7.0x5.0x1.3mm X7H Series



Features

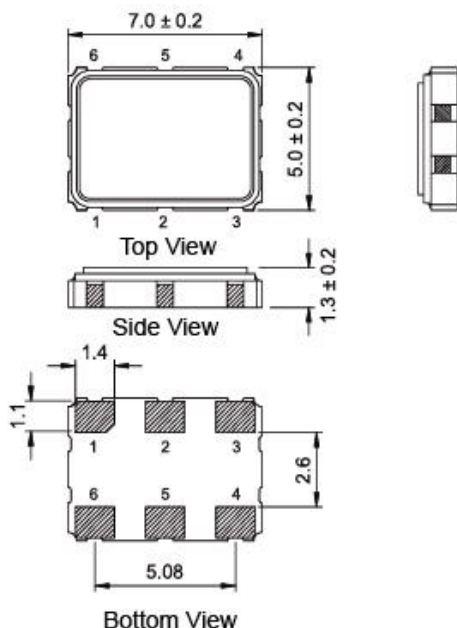
- Differential Crystal Oscillator.
- Output Type : HCSL.
- Output frequencies 25MHz ~ 200MHz.
- Excellent low phase noise and jitter.
- Tri-state function available.
- Applications : Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express , SDH / SONET.
- RoHS compliant / Pb Free.



Crystals specifications

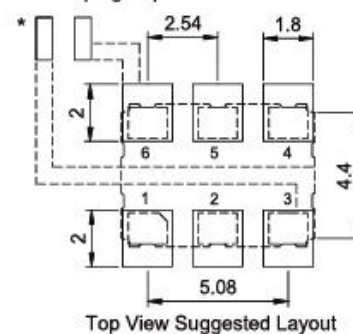
ITEMS/TYPE	X7H
Frequency Range	25 ~ 200 MHz
Output Type	HCSL
Oscillation Mode	Fundamental / 3rd Overtone
Output Load	50Ω
Supply Voltage (VDD)	2.5V, 3.3V
Total Frequency Stability	±50ppm , or specify
Operating Temperature Range	- 40~+85℃, or specify
Storage Temperature Range	- 55~+125 ℃
Voltage Vol (Max.) / 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