

SMD HCSL Crystal Oscillators

Differential Output

3.2x2.5x0.95mm X3H Series



Features

- Fundamental solution.
- 3.3V and 2.5V operation available.
- HCSL 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 | X3H |
|--|------------------------------|
| Frequency Range | 25 ~ 200 MHz |
| Output Type | HCSL |
| Oscillation Mode | Fundamental / 3rd Overtone |
| Output Load | 50Ω |
| Supply Voltage (VDD) | 2.5 V , 3.3 V |
| Total Frequency Stability | ± 50 ppm , 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 (12KHz ~ 20 MHz) | 1pS Max. |

Dimensions and patterns(unit:mm)

