

SMD HCSL Crystal Oscillator

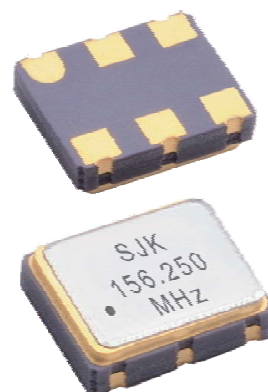


Size: 3.2×2.5×0.95 mm

3H Series SMD HCSL Oscillator

Features

- Package size: 3.2×2.5×0.95mm.
- 3rd overtone solution.
- 3-state function.
- 3.3V and 2.5V operation available.
- HCSL output frequencies 25MHz to 200MHz.
- Excellent low phase noise and jitter.
- PCI-Express, PC, Peripherals, Server, SAS, SATA and other high-Speed interface applications.
- Low current consumption.
- RoHS Compliant / Pb-Free.



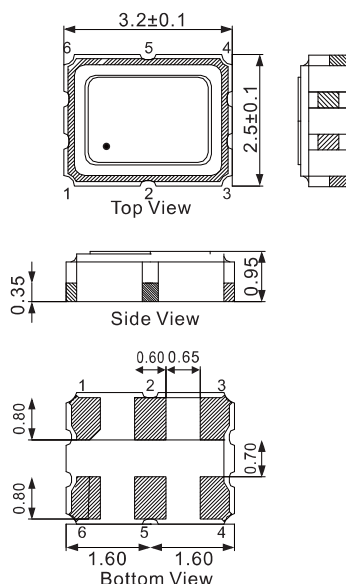
Electrical Specifications

| Item /Type | 3H (SMD 3225 HCSL Crystal Oscillator) |
|-----------------------------------|---------------------------------------|
| Output Type | HCSL |
| Output Load | 50 Ω |
| Oscillation Mode | 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.) | 0mV /740mV |
| Rise(Tr) / Fall(Tf) Time(20%~80%) | 0.5ns Max. |
| Supply Current | 30mA Max. |
| Symmetry | 45~55% |
| Start-up Time | 10ms Max. |
| Phase Jitter(12KHz~20MHz) | 0.2 pS Typ. , 1.0pS 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