

SMD 7050 HCSL Crystal Oscillator

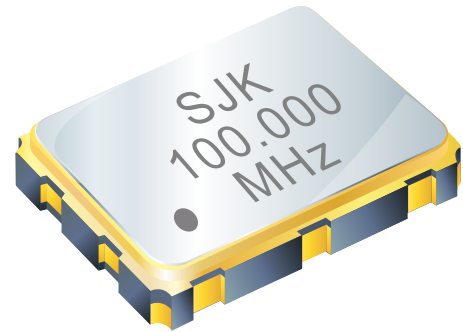


Size: 7.0×5.0×1.30 mm

7H Series SMD HCSL Oscillator

Features

- 3rd overtone solution.
- 3.3V / 2.5V operation voltage.
- Package size: 7.0×5.0×1.30 mm.
- HCSL output, output frequencies 25MHz to 200MHz.
- Excellent low phase noise and jitter.
- 3-state function available.
- Automatic mounting and reflow soldering.
- Applications: PCI-Express, SAS, SATA, High speed network interface applications , Telecommunications, etc.
- RoHS Compliant / Pb-Free.



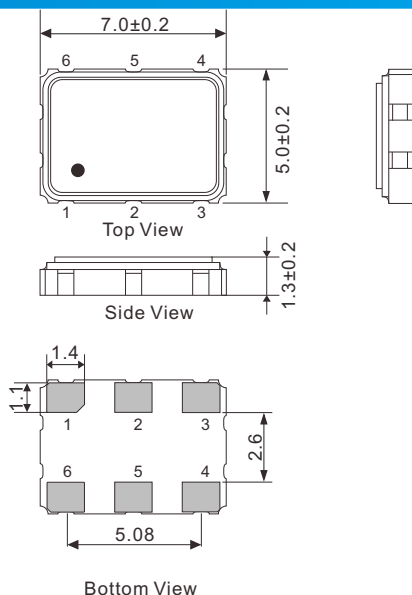
Electrical Specifications

Item /Type	7H (SMD 7050 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)	0.2pS 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

* External high frequency power supply decoupling required.

