



### Features

- 3rd overtone solution.
- 3.3V / 2.5V operation voltage.
- 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.



### Electrical Specifications

Type	SMD 7050 HCSL CRYSTAL OSCILLATOR
Output Type	HCSL
Output Load	50Ω
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.

### Ordering Information

KOH7050	025M	25	50	A	
Product Code	Frequency Range 25MHz	Supply Voltage 25=2.5V	Frequency Stability 50=±50ppm	Operating Temperature	
				A:-20~+70°C B:-10~+70°C C:-40~+85°C	D:-40~+125°C E:-10~+60°C F:-30~+70°C

### Dimension

Units:mm

