

# CRYSTAL OSCILLATOR

## KLS14-OSC7050

### Application

- PC Main board / VGA card / DVD / DVC
- DSC / Printer / Scanner / Game Console

### Features

- Dimensions (7.0×5.0×1.4)
- Ceramic Package
- CMOS / TTL Output with Tri-state function



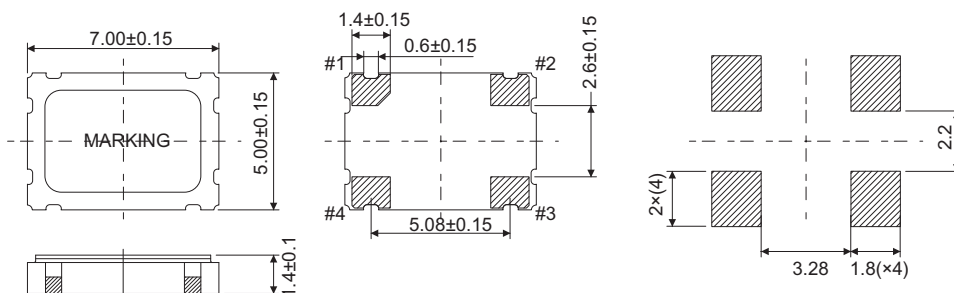
### Specifications



Model	KLS14-OSC7050		
Nominal frequency range	0.500~160.000 MHz	0.500~107.000 MHz	
Output Level	C-MOS		
Storage temperature range	-55°C~+125°C		
Operating temperature range	-40°C~ +85°C		
Current Consumption	10 mA max: 0.5~14.9MHz 15 mA max: 15~29.9MHz 20 mA max: 30~39.9MHz 25 mA max: 40~49.9MHz 30 mA max: 50~59.9MHz	35 mA max: 60~79.9MHz 45 mA max: 80~99.9MHz 50 mA max: 100~125MHz 65 mA max: 125.1~160MHz	10(×20) mA max: 0.5~49.9MHz 10(×35) mA max: 20~29.9MHz 15(×35) mA max: 30~34.9MHz 30(×35) mA max: 35~49.9MHz 30(×60) mA max: 50~65.9MHz 50(×60) mA max: 66~80.0MHz 60 mA max: 80.1~107MHz
Power Supply Voltage (Vdd)	+3.3V±10%, +2.8V±10%, +2.5V±10%, +1.8V±10%		+5.0V DC ±10%
Frequency Stability	±20×10 <sup>-6</sup> , ±50×10 <sup>-6</sup>		
Load capacitance	15pF max.		
Output Voltage Level	V <sub>OL</sub> : 10%Vdd max. / V <sub>OH</sub> : 90%Vdd min.		
Rise & Fall Time	10ns max(F≤40MHz), 7ns max(F>40MHz), 5ns max(F>100MHz)		
Duty Cycle	40%~60% at 1/2Vdd		

Package quantity: 1,000pcs /Reel

### Outline and Dimensions [unit:mm]



Terminal	Connection
#1	Tri-state
#2	GND
#3	OUTPUT
#4	Vdd

#### Tri-state Function

Tri-state Pin	Output
High or Floating	Active
Low	Hi-impedance

Example of a Terminal Land Pattern

### ORDER INFORMATION

L-KLS14-OSC7050 - XXXX- XXX-XX-CMOS

Output Level:	C-MOS or TTL
Frequency Tolerance:	20=20ppm    50=50ppm
Voltage:	033=+3.3VDC    028=+2.8VDC    025=+2.5VDC    018=+1.8VDC
Frequency:	24.000=24.000MHz
RoHS	