

CRYSTAL OSCILLATOR

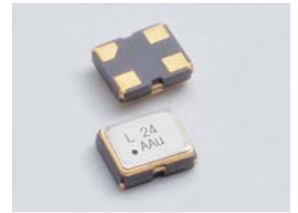
KLS14-OSC2016

Application

- Mobile phone / Wireless-LAN / PC-Card / DVD / DVC / DSC etc..

Features

- Dimensions (2.05×1.65×0.85)
- Small Ceramic Package
- Low Current Consumption
- CMOS Output / With Tri-state Function



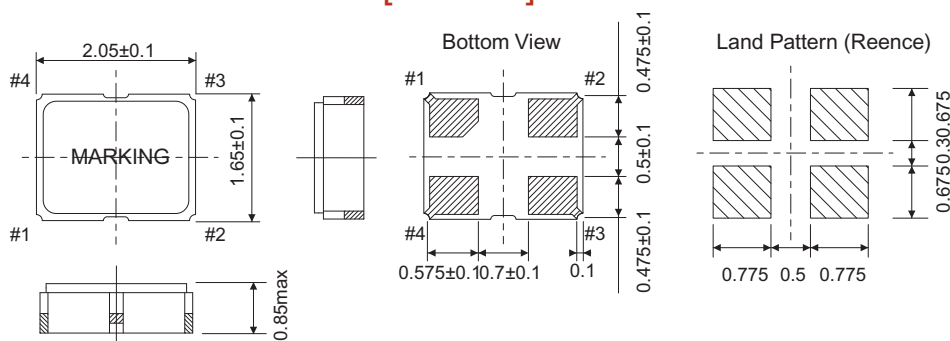
Specifications



Model	KLS14-OSC2016		
Nominal frequency range	1.500~54.000 MHz		
Output Level	C-MOS		
Storage temperature range	-40°C~+85°C		
Operating temperature range	-10°C~+70°C		
Current Consumption	3.5 mA max: ~24MHz 5.0 mA max: ~40MHz 8.0 mA max: ~54MHz	3.0 mA max: ~24MHz 4.5 mA max: ~40MHz 5.0 mA max: ~54MHz	2.5 mA max: ~24MHz 3.5 mA max: ~40MHz 4.5mA max: ~54MHz
Power Supply Voltage (Vdd)	+3.3V DC ±5%	+2.5V DC ±5%	+1.8V DC ±5%
Frequency Stability	±25x10 ⁻⁶		
Load capacitance	15pF max.		
Output Voltage Level	V _{OL} :10%Vdd max. / V _{OH} :90%Vdd min.		
Rise & Fall Time	4.5ns max.	5.0ns max.	6.5ns max.
	0.1Vdd~0.9Vdd		
Duty Cycle	45%~55% at 1/2Vdd		

Package quantity: 3,000pcs /Reel

Outline and Dimensions [unit:mm]



Terminal	Connection
#1	Tri-state or N.C
#2	GND
#3	OUTPUT
#4	Vdd

Tri-state Function

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

ORDER INFORMATION

L-KLS14-OSC2016 - XXXX-XXX-XX-X

Operating Temperature: A:	-10°C~+70°C
Frequency Tolerance:	25=25ppm
Voltage:	033=+3.3VDC 025=+2.5VDC 018=+1.8VDC
Frequency:	24.000=24.000MHz
RoHS	