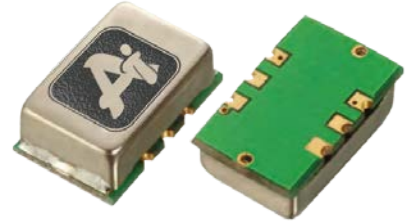




Features

- Surface mount package.
- 3.3V and 2.5V operation available.
- LVDS Output, output frequencies 25MHz to 700MHz.
- 3-state function.
- Automatic mounting and reflow soldering.
- Applications: Fiber channel, Gigabit ethernet, Serial ATA, Serial attached SCSI, PCI- Express, SDH, SONET, etc.
- Excellent low phase noise and jitter.



Electrical Specifications

Type	SMD CRYSTAL OSCILLATOR
Output Type	LVDS
Output Load	100Ω
Oscillation Mode	Fundamental / 3rd Overtone / PLL
Supply Voltage (VDD)	2.5V, 3.3V
Frequency Range	25MHz~700MHz
Overall Frequency Stability*	±50ppm, or specify
Operating Temperature Range	-20~+70°C, -40~+85°C, or specify
Storage Temperature Range	-55~+125°C
Rise(Tr) / Fall(Tf) Time(20%~80%)	1ns Max.
Supply Current	80mA Max.
Symmetry	45~55%
Start-up Time	10ms Max.
Phase Jitter(12kHz~20MHz)	1ps Max.

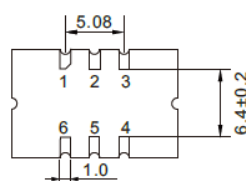
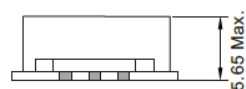
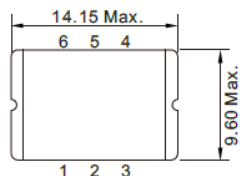
* Inclusive of frequency tolerance at 25°C, variation over temperature, supply voltage variation, aging and vibration.

Ordering Information

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

Dimension

Units:mm



PAD FUNCTION:

- 1:ENABLE CONTROL or NC
- 2: ENABLE CONTROL or NC
- 3: GND
- 4: OUT
- 5: NC
- 6: VDD

* External high frequency power supply decoupling required.

