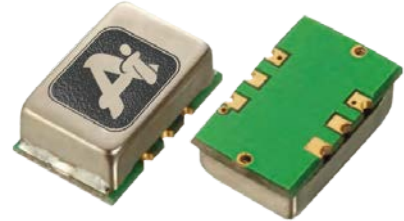




### Features

- Surface mount package.
- 3.3V and 2.5V operation available.
- LVPECL 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	LVPECL
Output Load	50Ω to VDD-2V
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.

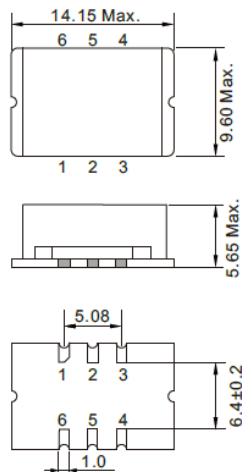
\* Inclusive of frequency tolerance at 25°C, variation over temperature, supply voltage variation, aging and vibration.

### Ordering Information

KOPM	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.

