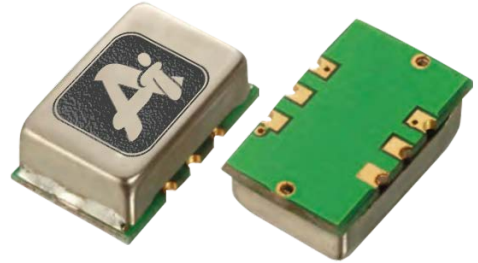




Features

- Surface mount package.
- High precision characteristic covering up to wide frequency range from 1MHz up to 170MHz.
- Either fundamental and 3rd overtone solution.
- CMOS output.
- 3-state function.
- Automatic mounting and reflow soldering.
- Applications: Fibre channel, Gigabit ethernet, Serial ATA, Serial attached SCSI, PCI-Expree, SDH, SONET, etc.
- Excellent low phase noise and jitter.



Electrical Specifications

Type	SMD CRYSTAL OSCILLATOR		
Output Type	CMOS		
Output Load	15pF	15pF, 30pF	15pF, 50pF
Oscillation Mode	Fundamental / 3rd Overtone		
Supply Voltage	1.8V	2.5V, 2.8V, 3.3V	5.0V
Frequency Range	1MHz~170MHz		
Overall Frequency stability*	±20ppm, ±25ppm		
Operating Temperature Range	-20~+70°C, -40~+85°C, or specify		
Storage Temperature Range	-55~+125°C		
Rise (Tr)/Fall(Tf) Time(20%~80%)	10ns(1~10MHz), 7ns(20~50MHz), 5ns(>50MHz) Max.		
Supply Current	50mA Max.		
Symmetry	40~60%		
Start-up Time	10ms Max		
Phase Jitter(12kHz~20MHz)	1ps Max		

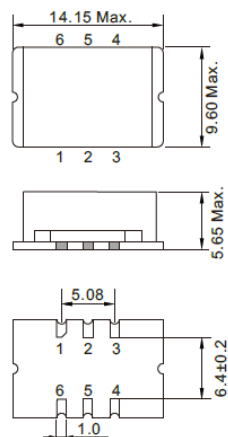
* Inclusive of frequency tolerance at 25°C, variation over temperature, supply voltage variation, aging and vibration.

Ordering Information

KOM	001M	15	25	25	A	
Product Code	Frequency Range 1MHz	Output Load 15=15pF	Supply Voltage 25=2.5V	Frequency Stability 25=±25ppm	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

