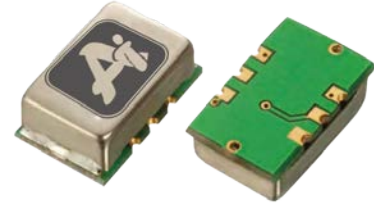




Features

- Voltage Controlled Crystal Oscillator (VCXO).
- Meet Pb free high temperature SMT reflow soldering profile.
- 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 VCXO
Output Type	CMOS
Output Load	15pF or specify
Oscillation Mode	Fundamental
Supply Voltage	3.3V
Frequency Range	50MHz~700MHz
Operating Temperature Range	-20~+70°C, -40~+85°C, or specify
Storage Temperature Range	-55~+125°C
Rise(Tr) / Fall(Tf) Time(20%~80%)	5ns Max.
Symmetry	45~55%
Start-up Time	10ms Max.
Absolute Pulling Range(APR)*	±50ppm, ±10ppm Min. or specify
Nominal Control Voltage	0.5VDD
Control Voltage Range	0~VDD
Linearity	10ms Max.
Phase Jitter(12kHz~20MHz)	1ps Max.

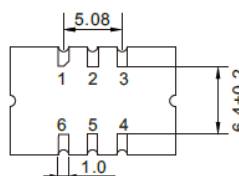
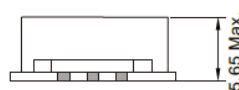
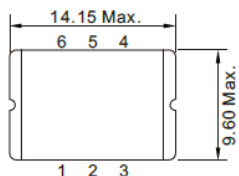
* Inclusive of frequency tolerance at 25°C, variation over temperature, supply voltage variation, aging and vibration.

Ordering Information

KVCM	050M	15	A		50
Product Code	Frequency Range 50MHz	Output Load 15=15pF	Operating Temperature		APR 50=±50ppm
			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: CONTROL VOLTAGE
- 2: ENABLE CONTROL or NC
- 3: GND
- 4: OUT
- 5: NC
- 6: VDD

* External high frequency power supply decoupling required.

