



### Features

- Low phase noise.
- Stratum 3 (Overall  $\pm 4.6$  ppm including 10 years aging.)
- Application for Base station, Measuring equipment, Synthesizer, Digital switch, Reference Timing Circuit, etc.



### Electrical Specifications

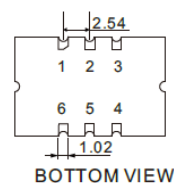
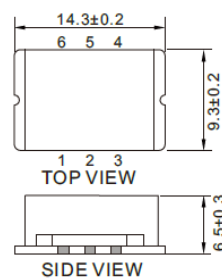
Type		SMD OXCO
Output Type		HCMOS
Output Load		15pF
Output Frequency Range		5MHz~40MHz
Output Wave Form		Rectangular
Supply Voltage		3.3V / 5.0V
Operating Temperature Range		-30~+70°C, or specify
Frequency Stability	Frequency Tolerance	$\pm 0.1$ ppm Max.
	Vs. Temperature	$\pm 0.1$ ppm Max.
	Vs. Supply Voltage	$\pm 20$ ppb Max.
	Vs. Aging	$\pm 1.0$ ppm Max.
0 Level Output Voltage (Max.)		10% VDD
1 Level Output Voltage (Min.)		90% VDD
Symmetry		45~55%
Spurious		-60dBc
Warm-up		$\pm 0.1$ ppm (In 5 minutes @ +25°C, referenced to 1 hour)
Power Consumption (Steady state)		0.6W Max.
Phase Noise	Offset 10Hz	-90dBc/Hz
	Offset 100Hz	-115dBc/Hz
	Offset 1kHz	-135dBc/Hz
	Offset 10kHz	-145dBc/Hz

### Ordering Information

KXMA	05000M	33	F	
Product Code	Frequency Range 5.000MHz	Supply Voltage 33=3.3V	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: Voltage Control / NC  
2: 3-state / NC  
3: GND & Case  
4: OUT  
5: NC  
6: Supply Voltage

Solder Pad Layout

