



Features

- 3225 size, 1.0mm high, ultra small SMD seam sealed clock oscillator unit.
- Low voltage operation.
- Frequency range: 1MHz ~125MHz
- 3-state function.
- Automatic mounting and reflow soldering.
- Applications: Peripherals, Bluetooth, DSC, PC, Mobile phone, PDA, DVC, Telecommunications, NFC, etc.
- Low current consumption.



Electrical Specifications

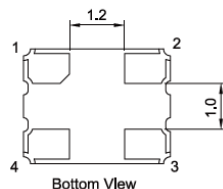
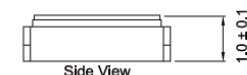
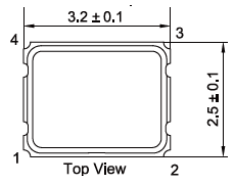
Type	SMD 3225 CRYSTAL OSCILLATOR	
Output Type	CMOS	
Output load	15pF, or Specify	
Oscillation Mode	Fundamental / 3rd Overtone	
Supply Voltage	1.8V	2.5V, 2.8V , 3.3V
Frequency Range	1MHz~125MHz	
Frequency Stability	±25ppm, ±50ppm	
Operating Temperature Range	-20~+70°C, -40~+85°C, or Specify	
Storage Temperature Range	-55~+125°C	
Voltage Vol(Max)/Voh(Min)	0.1VDD / 0.9VDD	
Rise (Tr)/Fall(Tf) Time	8ns Max	
Supply Current	15mA Max	
Symmetry	45~55%	
Start-up Time	5ms Max	
Phase Jitter(12kHz~20MHz)	1ps Max	
Aging(at 25°C)	±3ppm/year Max	

Ordering Information

KOC3225	004M	15	33	25	A	
Product Code	Frequency Range	Output Load	Supply Voltage	Frequency Stability	Operating Temperature	
	4MHz	15=15pF	33=3.3V	25=±25ppm	A:-20~+70°C B:-10~+70°C C:-40~+85°C	D:-40~+125°C E:-10~+60°C F:-30~+70°C

Dimension

Units:mm



PAD FUNCTION:
1: ENABLE CONTROL
2: GND
3: OUT
4: VDD

