

SMD CRYSTAL OSCILLATOR

OSC3225 Series

Features

- Wide frequency range
- Tri-State Function
- TTL/HCMOS
- RoHS Compliant / Pb Free



Specifications

Holder Type	SMD 3.2x2.5	
Frequency	1.000Mhz ~ 150.000Mhz	
Operating Temperature Range	-10°C to +60°C typical or custom-designed	
Storage Temperature Range	- 40°C to +85°C typical	
Frequency	±10ppm ~ ±50ppm	
Supply Voltage	5.0V or 3.3V ±10%	
Current Consumption	5.0V	3.3V
	25mA (1.000 ~ 35.999Mhz)	20mA (1.000 ~ 35.999Mhz)
	60mA (36.00 ~ 69.999Mhz)	40mA (36.00 ~ 69.999Mhz)
	80mA (70.00 ~ 150.00Mhz)	60mA (70.00 ~ 150.00Mhz)
Output Waveform	TTL/HCMOS	
Output Load	10TTL or 15pF HCMOS	
Symmetry	40/60% or 45/55%	
Rise/Fall Time	10nS	
Output Voltage "1" VoH	TTL: 2.4V Min.	HCMOS: 90%V Min.
"0" VoL	TTL: 0.4V Max.	HCMOS: 10%V Max.
Start-Up Time	10mS Max.	
Pin 1 Tri-State Function	T: Enable / N: Disable	
Aging (at 25°C)	±5ppm/ year Max.	

How to order

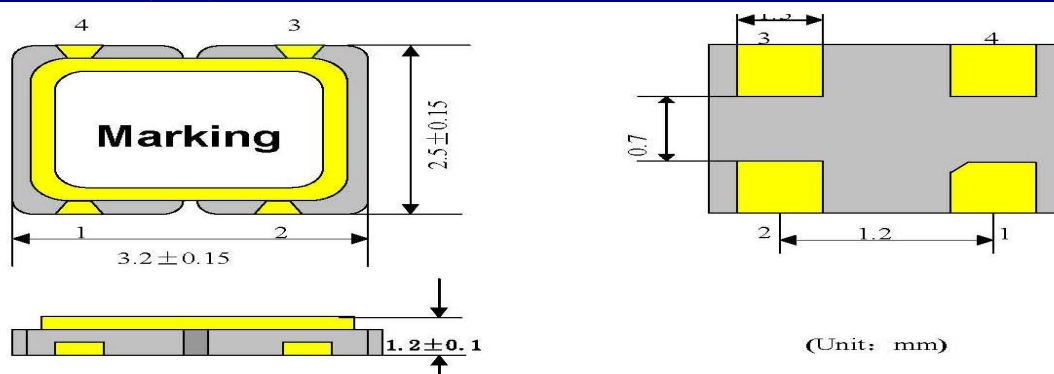
OSC3225 27.12M 2 1 R				
Series	Frequency	Frequency Tol.	Operating Temperature	Package
OSC3225=3x2.5mm	20= 20Mhz	2 = 20ppm	1= -10°C~+60°C	R= Tape Reel
OSC5032=5x3.2mm	25= 25Mhz	3 = 30ppm	2= -20°C~+70°C	
OSC7050=7x5.0mm	30= 30Mhz	5= 50ppm	3= -40°C~+85°C	
	40= 40Mhz			

MSC

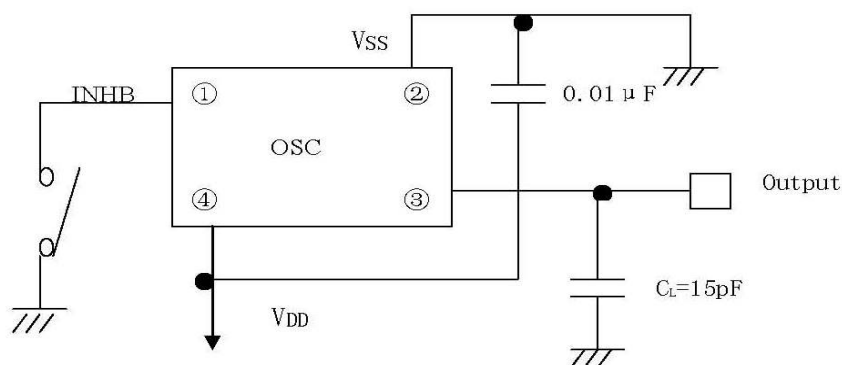
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Dimensions (mm)



Circuit diagram and the pin configuration function



Pin configuration function

Pin Configuration	1	2	3	4
Function	INHIB	VSS	QOUT	VDD

Output control terminal INHB	“Output Voltage ”H” VoL OPEN	Output Voltage ”L” VoL (三态)
Output QOUT	Oscillator Normal Output	High impedance

NOTED: The output state control carries INHB (three states of matter end) not to be able to ground wire, otherwise the oscillator assumes the high impedance