

- SMD OSC 5.0×3.2mm
 - Wide Frequency & Voltage range
 - Available 3-State function
 - Excellent heat resistance, high precision, and high stability.
 - Nominal frequency range : 1MHz to 150MHz
 - Mode : Fundamental, 3rd, Multi
- Applications : PC, DVD, PDA, TV, HDTV, ISDN, Mobile phone, Gb ethernet.

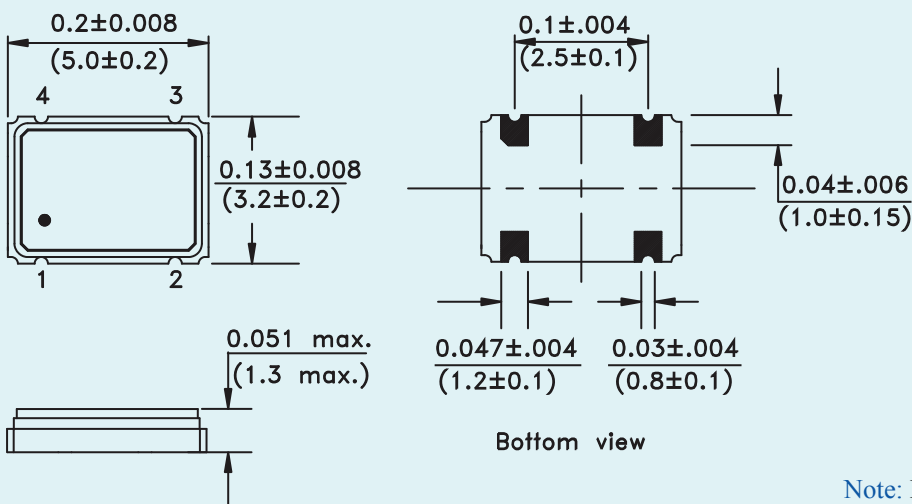
Standard Specification

Frequency Range		1MHZ to 150MHZ
Supply voltage		1.8V (125MHZ max), 2.5V, 3.3V, 5.0V (125MHZ max)
Current consumption		See table →
Temperature Range	Operating	-40°C to +85°C, User spec
	Storage	-55°C to +125°C
Frequency Stability		±50ppm max, User spec
Output load condition		CMOS 15pF
Symmetry (Duty)		45% to 55%, 40% to 60% (30pF)
Output rise and fall time (tr/ff)		5ns max, 7ns max (30pF)
High output voltage		90% Vdd min
Low output voltage		10% Vdd max
Pin 1 Tri-Sate	Output enable voltage	No Connection
	Output enable voltage	70% Vdd min
	Output disable voltage	30% Vdd max
Oscillation start up time		5ms max
Aging		± 5ppm max
phase Jitter (12KHZ ~20MHZ)		1 ps max
Period Jitter (Pk-Pk)		Fund : ±40ps max, 3rd O/T : ±100 ps max

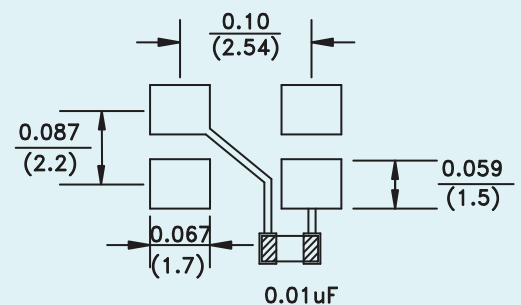
Current consumption : mA max

	1.8V	2.5V	3.3V	5.0V
≤ 25.00M	4	6	10	15
≤ 40.00M	6	8	15	20
≤ 60.00M	10	12	20	30
≤ 80.00M	15	18	25	35
≤ 106.25M	20	25	30	45
≤ 125.00M	25	30	40	50
≤ 160.00M		35	45	

Dimensions (mm)



Recommended land pattern



Pin	Function
1	Tri-State
2	GND
3	Output
4	Vdd

Note: Recommend using an approximately 0.01uF bypass capacitor between PIN 2 and 4.

Dimensions: inches (mm)