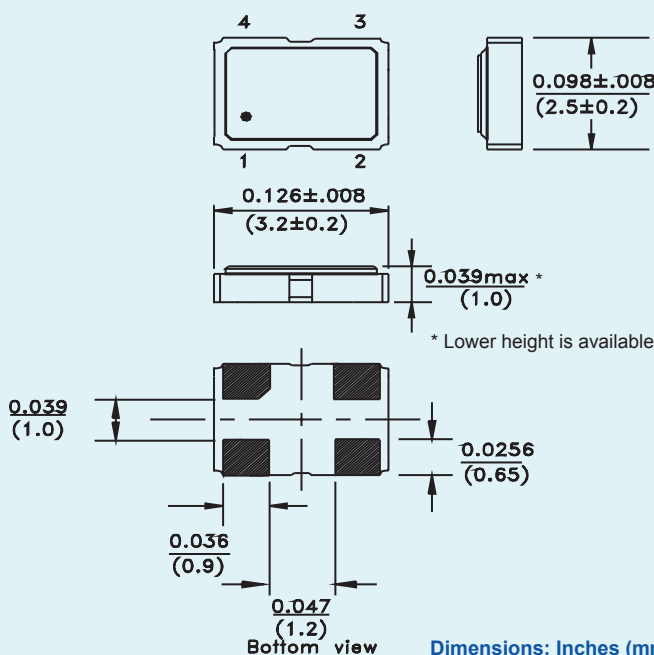


- SMD OSC 3.2×2.5mm
 - Wide Frequency & Voltage range
 - Available 3-State function
 - Excellent heat resistance, high precision, and high stability.
 - Nominal frequency range : 1MHz to 100MHz
 - Mode : Fundamental, 3rd
- Applications : PC, DVD, PDA, TV, HDTV, ISDN, Mobile phone, Gb ethernet.

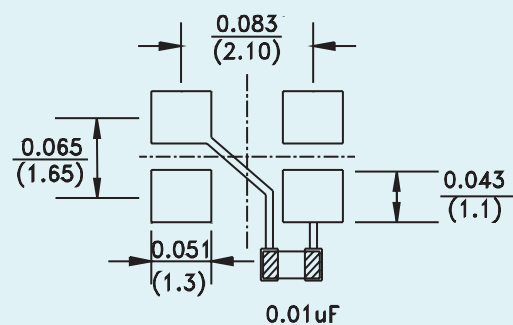
Standard Specification

Frequency Range	1MHZ to 100MHZ	
Supply voltage	1.8V, 2.5V, 3.3V	
Current consumption	15mA max	
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%	
Output rise and fall time (tr/ff)	5ns max	
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	± 3ppm max	
phase Jitter (12KHZ ~20MHZ)	1 ps max	
Period Jitter (Pk-Pk)	±50ps max	

Dimensions (mm)



Recommended land pattern



It is recommended to use an approximately 0.01uF bypass capacitor between PIN 2 and PIN 4.

PIN	FUNCTION
1	Tri-state
2	GND/Case
3	Output
4	Vdd

Note: The outline package configuration varies with frequency range. Electrical properties, pin configuration, and land pattern are the same.