



Applications

- Cellular and cordless phones.
- GPS
- Mobile communication equipment.
- Portable radio equipment and music player.

Features

- Low height 1.5mm
- Low phase noise -135dBc typical / 1kHz
- Low current 1.5mA / ~20MHz

5.0 x 3.2 x 1.5 mm



Specification for electrical appliances

Parameter	3.0V				Unit
	MIN		MAX		
Supply Voltage (VDD) 5%	2.85		3.15		V
Frequency Range	1.25		52		MHz
Frequency Stability	±0.05		±2.5		ppm
Standard Frequency	20.000000				MHz
Aging	± 1.0		± 1.0		ppm/year
Load	0.200000		0.200000		ppm
Control voltage (Vc=1.5)	0.5		2.5		V
Frequency tuning ≤26MHz	±8				ppm
Frequency tuning >26MHz			±10		
Supply voltage stability	±0.025				
Current (C/Sine)	2				mA
Output Voltage	0.8		0.8		Vp-p min
Output Load	10		10		kohm //pF
Frequency stability over temperature	±0.05		±2.5		ppm
SSB Phase Noise (25° C)	19.2		51.84		MHz
10Hz	-80		-85		dBc/Hz
100Hz	-110		-120		
1KHz	-135		-135		
10KHz	-145		-150		
100KHz	-155		-157		
Operating temperature range	-35	75	-35	75	° C

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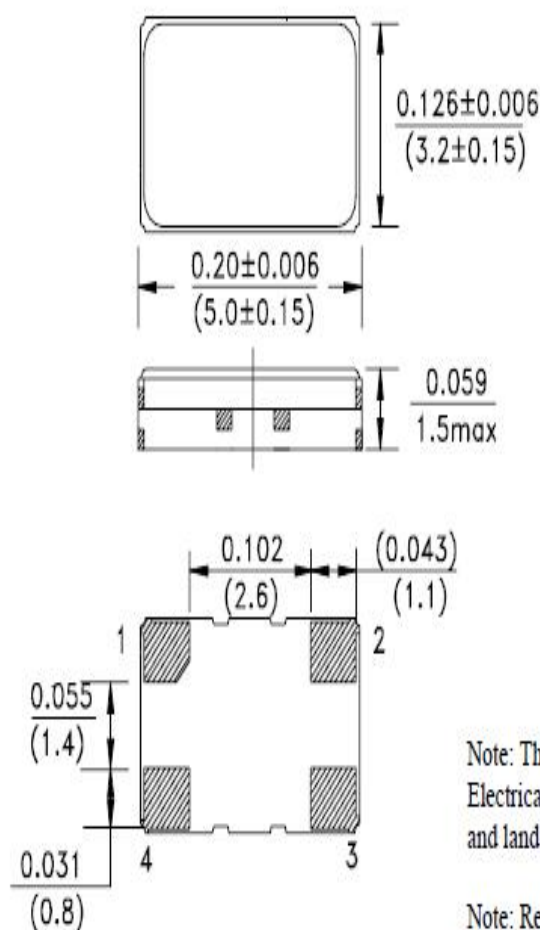
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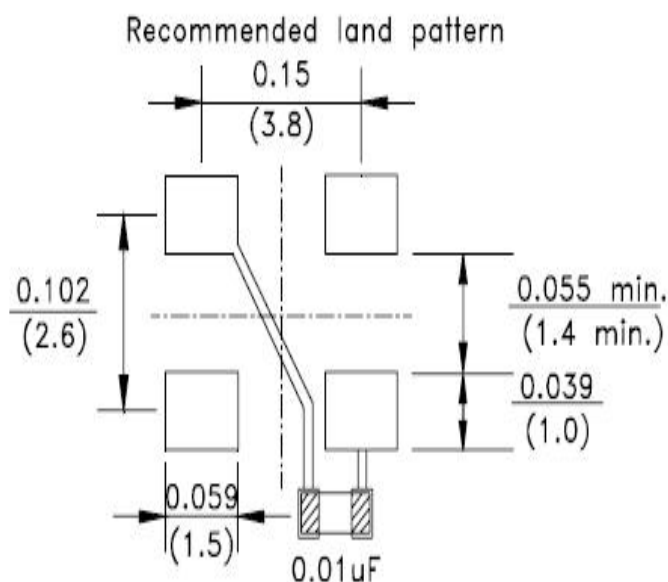


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Model Outline and Recommended Pad Layout (4 pad)



Dimension : Inches (mm)



Note: The outline package may vary.
Electrical properties, pin configuration,
and land pattern are the same.

Note: Recommend using an approximately
 $0.01 \mu\text{F}$ bypass capacitor between PIN 2 and 4.

PIN	FUNCTION
1	V _c /NC*
2	GND
3	Output
4	V _{dd}