

2.5 x 2.0mm Ceramic SMD

### Product Features

- AT Cut 32.768 kHz XO
- CMOS compatible logic levels
- Ultra low active current ( $< 10\mu A$ )
- Very tight temperature stability
- Designed for standard reflow and washing techniques
- Pb-free and RoHS/Green compliant

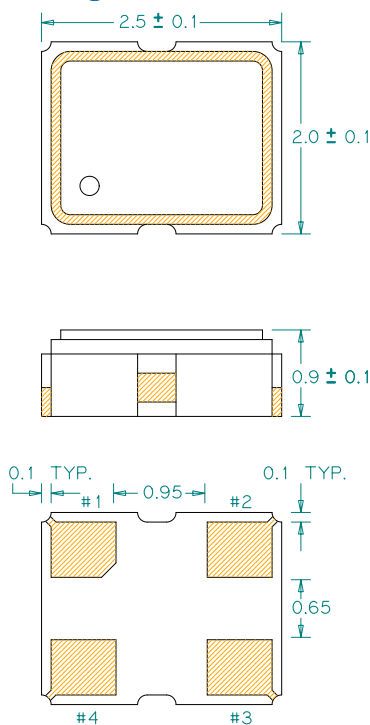
### Product Description

The KX251 Series real time clock oscillator achieves superb stability over a broad range of operating conditions. It utilizes Pericom proprietary technology to achieve ultra low current less than  $10\mu A$ . The output clock signal is compatible with LVCMOS/LVTTL logic levels. The device, available on tape and reel, is contained in a 2.5 x 2.0mm surface-mount ceramic package.

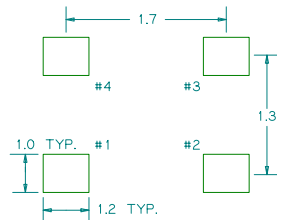
### Applications

- Real-Time Clock Oscillator where low current and tight stability are needed

### Package: (Scale: none; Dimensions are in mm)



### Recommended Land Pattern:



### Pin Functions:

Pin	Function
1	OE Function
2	Ground
3	Clock Output
4	V <sub>DD</sub>

### Part Ordering Information:

**KX 251 V I S 032.768000**

Voltage:	Stability and Temp Range:	Internal #:	Frequency:																						
1 = +3.3V	<table border="1"> <thead> <tr> <th>Stability</th> <th>Temp Range</th> </tr> </thead> <tbody> <tr><td>A = +/-20 ppm</td><td>-20/+70°C</td></tr> <tr><td>B = +/-25 ppm</td><td>-20/+70°C</td></tr> <tr><td>C = +/-50 ppm</td><td>-20/+70°C</td></tr> <tr><td>D = +/-25 ppm</td><td>-40/+85°C</td></tr> <tr><td>E = +/-50 ppm</td><td>-40/+85°C</td></tr> <tr><td>F = +/-20 ppm</td><td>0/+70°C</td></tr> <tr><td>G = +/-25 ppm</td><td>0/+70°C</td></tr> <tr><td>H = +/-25 ppm</td><td>0/+85°C</td></tr> <tr><td>I = +/-25 ppm</td><td>-20/+85°C</td></tr> <tr><td>Z = Reference Design</td><td></td></tr> </tbody> </table>	Stability	Temp Range	A = +/-20 ppm	-20/+70°C	B = +/-25 ppm	-20/+70°C	C = +/-50 ppm	-20/+70°C	D = +/-25 ppm	-40/+85°C	E = +/-50 ppm	-40/+85°C	F = +/-20 ppm	0/+70°C	G = +/-25 ppm	0/+70°C	H = +/-25 ppm	0/+85°C	I = +/-25 ppm	-20/+85°C	Z = Reference Design		0 ~ 9	FFFFFFFF kHz, "3 digits/decimal/6 digits" format
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Following the above format, Saronix-eCera part numbers will be assigned upon confirmation of exact customer requirements.