

### Features

- High precision and high frequency stability;
- Extremely good for reducing EMI effect;
- The best choice of Bluetooth, wireless communication set, DSC, PDA, and mobile phone;
- RoHS Compliant / Pb Free

### Crystals specifications

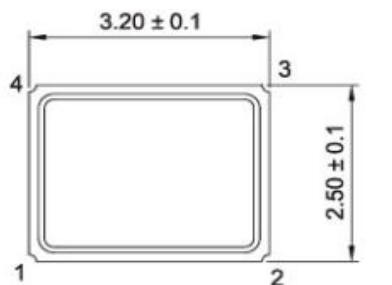
ITEMS (项目)	PARAMETER (规格说明)	
	10-114MHz	100 ~ 400MHz
Frequency Range	10-114MHz	100 ~ 400MHz
Frequency Tolerance (at 25 °C)	+/- 30ppm , or Specify	+/- 30ppm , or Specify
Frequency Stability Over Operating Temperature Range	+/- 30ppm , or Specify	+/- 30ppm , or Specify
Operating Temperature Range	-10~70 C, or Specify	-10~70 C, or Specify
Shunt Capacitance (C0)	3pF Max.	3pF Max.
Drive Level	1-200uW (100uW typical)	400uW max
Load Capacitance	10pF, or specify	10pF, or specify
Aging (at 25 °C)	+/- 3ppm/year Max	+/- 3ppm/year Max
Storage Temperature Range	-40 ~ +85 °C	-40 ~ +85 °C
Packing Unit	3,000pcs/Reel	

### Equivalent Series Resistance(ESR)

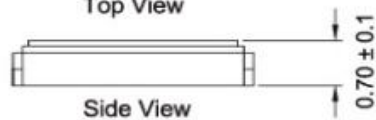
#### Fundamental

10-16MHZ	100 Ω Max
16-20MHZ	80Ω Max
20-64MHZ	60 Ω Max
100-400MHZ	30 Ω Max

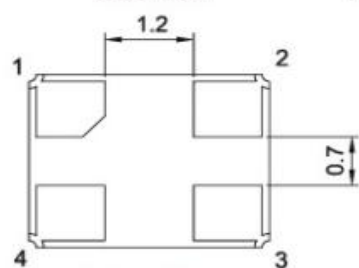
### Dimensions



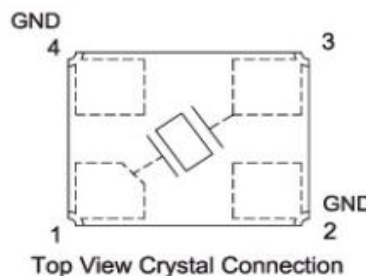
Top View



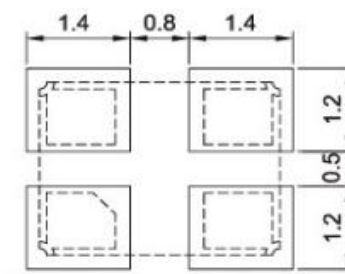
Side View



Bottom View



Top View Crystal Connection



Top View Suggested Layout