

# SMD-3225



## Features

- External dimensions: 3.2 x 2.5 x 0.7mm..
- Frequency range: 8MHz ~ 60MHz.
- Surface mount type crystal units.
- A great number of standard frequencies.
- High frequency pullability and low equivalent series resistance.
- Highly mass production capability.
- Applications: PC, STB, LCDM and Cable Modem.

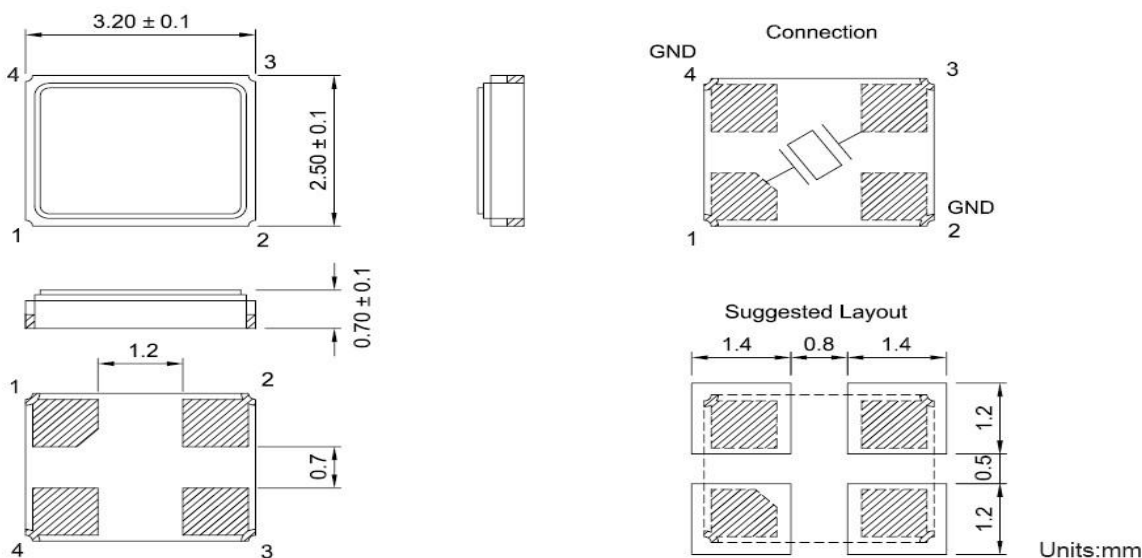
## Electrical Specifications

Item / Type	3225
Frequency Range	8 ~ 60 MHz
Frequency Tolerance (at 25 °C)	± 20ppm, or specify
Frequency Stability Over Operating Temperature Range	± 20ppm, or specify
Operating Temperature Range	- 20 ~ +70 °C, or specify
Shunt Capacitance (C0)	7 pF Max.
Drive Level	1 ~ 500 uW (50 uW typical)
Load Capacitance	Series, 9 pF 12 pF 16 pF, 18 pF, 20 pF, 22 pF, or specify
Aging (at 25 °C)	± 3 ppm / year Max.
Storage Temperature Range	- 40 ~ + 85 °C

## Equivalent Series Resistance

Item / Type		3225	
8 MHz	500 Ω Max	50 ~ 60 MHz	30 Ω Max.
12 ~ 14 MHz	80 Ω Max		
14 ~ 20 MHz	60 Ω Max		
20 ~ 24 MHz	50 Ω Max.		
24 ~ 50 MHz	40 Ω Max.		

## Dimensions



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