

### 5.0 x 3.2 mm SMD Crystal

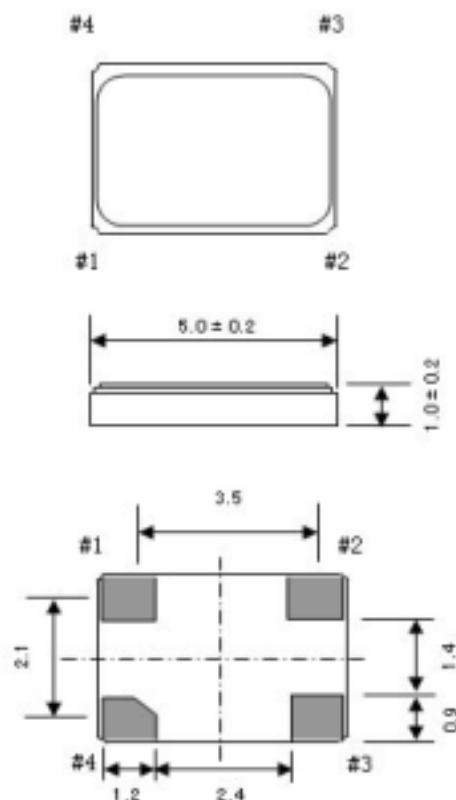
#### STANDARD SPECIFICATION 標準規格

Nominal Frequency Range	8 ~ 54 MHz
Vibration Mode	AT Fundamental
Load Capacitance	12pF, 20pF, or specify
Frequency Tolerance (at 25 °C)	± 10 ppm, ± 20 ppm, or specify
Frequency Versus Temperature Characteristics	±20 ppm, or specify
Operating Temperature	- 20 ~ + 70 °C , - 40 ~ + 85 °C , or specify
Storage Temperature	- 40 ~ + 85 °C , or specify
Shunt Capacitance	7 pF Max
Level Of Drive	1~100 μW Max (10μW typical)
Frequency Aging (at 25 °C)	± 3 ppm / year Max.
Insulation Resistance	More Than 500MΩ at DC 100V

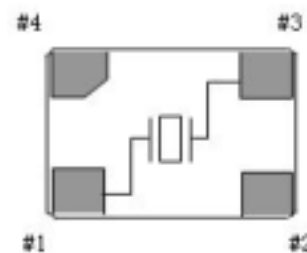
#### EQUIVALENT SERIES RESISTANCE 等效電阻

8 ~ 12 MHz	60 Ω ~ 80 Ω
12 ~ 25 MHz	40 Ω ~ 60 Ω
25 ~ 54 MHz	30 Ω ~ 40 Ω

#### DIMENSIONS 規格尺寸

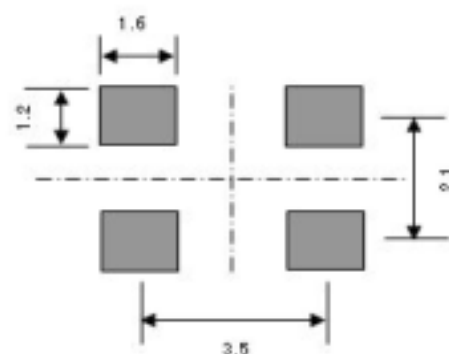


#### \*Internal Connections(Top View)



#1,#3 connected to quartz element  
#2,#4 connected to the cover

#### \*Suggested solder pad layout



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