# Quartz Crystals







### **Features**

- > 2 pads SMD glass sealed crystal units.
- > High reliable environmental performance.
- > Tight tolerance and stability parts are available.
- > Designed for automatic mounting and reflow soldering.
- > Reasonable cost and good delivery performance.
- $\,>\,$  The best choice of portable PC, PDA, DSC, and USB interface card.
- > Contains Pb in sealing glass exempted by RoHS directive.

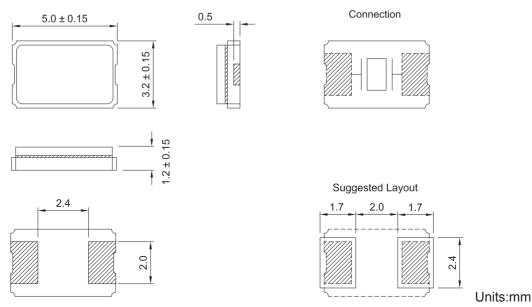
#### **Electrical Specifications**

Item / Type	7A	
Frequency Range	8 ~ 80 MHz	
Frequency Tolerance (at 25 °C)	± 30 ppm, or specify	
Frequency Stability Over Operating Temperature Range	± 30 ppm (-20 ~ +70 °C), or specify	
Operating Temperature Range	- 40 ~ + 85 °C	
Shunt Capacitance (C0)	5 pF Max.	
Drive Level	1 ~ 200 μW (100 μW typical)	
Load Capacitance	18 pF, or specify	
Aging (at 25 °C)	± 3 ppm / year Max.	
Storage Temperature Range	- 55 ~ + 125 °C	

#### Equivalent Series Resistance(ESR)

Fudamanetal		3rd Overtone	
8 ~ 12 MHz	80 Ω Max.	40 ~ 80 MHz	100 Ω Max.
13 ~ 54 MHz	50 Ω Max.		

#### **Dimensions**



Remark : Specification subject to change without prior notice. Please confirm with our sales

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