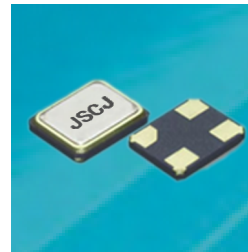




### ■ Features

- > 3225 size miniature and lightweight SMD crystal resonator with a low profile of 0.65mm.
- > Excellent heat resistance, high precision. and high reliability.
- > Offers a wide frequency range from a comparatively low 8MHz up to 66MHz.



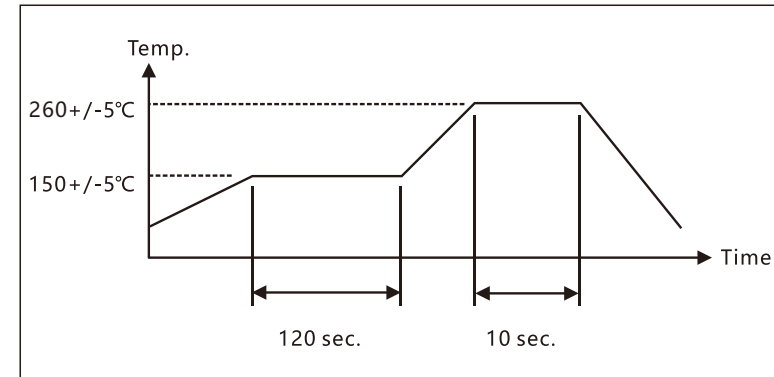
### ■ Electrical Specifications

Item / Type	SMD 3225
Frequency Range	8 ~ 66 MHz
Frequency Tolerance (at 25°C)	± 10 ppm, or specify
Frequency Stability Over Operating Temperature Range	± 20 ppm, or specify
Operating Temperature Range	-20 ~ +70 °C, -40 ~ +85°C, -40~105°C or specify
Shunt Capacitance (C0)	3 pF Max.
Drive Level	1 ~ 200 μW (100 μW typical)
Load Capacitance	8 pF, 10 pF, 12 pF, or specify
Aging (at 25°C)	±1ppm/year Max   ±2ppm/year Max   ±3ppm/year Max
Storage Temperature Range	-55~+125 °C

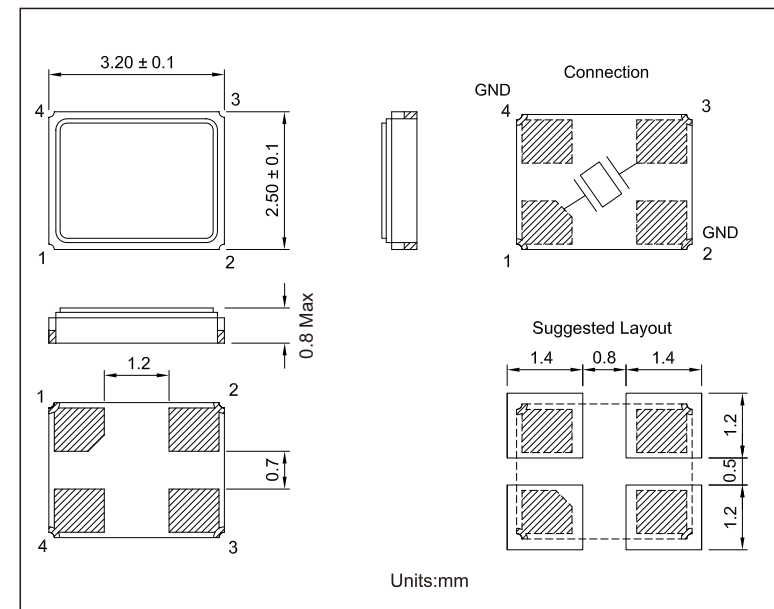
### ■ Equivalent Series Resistance (ESR)

Fundamental	
8 MHz	200 Ω Max.
8~12MHz (exclude 8MHz)	100 Ω Max.
12~66MHz(exclude 12MHz)	40 Ω Max.

### ■ Reflow Condition



### ■ Dimensions



Units:mm