

# SMD Glass Sealing Crystal

## 5.0x3.2x1.2mm G53 Series



### 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.
- Contains Pb in sealing glass exempted by RoHS directive.



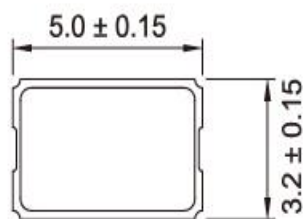
### Crystals specifications

ITEMS/TYPE	G53
Frequency Range	8~54MHz
Load Capacitance	20pF, or specify
Frequency Tolerance (at 25°C)	±20ppm, or specify
Frequency Stability Over Operating Temperature Range	±20ppm, or specify
Operating Temperature Range	-40~+85°C, or specify
Drive Level	1~200μW (100μW typical)
Shunt Capacitance (C0)	5 pF Max.
Aging (at 25°C)	± 3 ppm / year Max.
Storage Temperature Range	- 40~+125°C

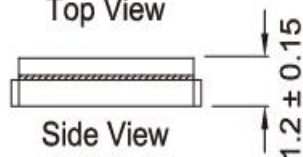
### Equivalent Series Resistance(ESR)

Frequency Range	Mode	ESR.	Frequency Range	Mode	ESR.
8.000~9.999MHz	FAT,Fundl	100 Ω Max.	20.000~29.999MHz	uAT,Fundl	60 Ω Max
10.000~19.999MHz	uAT,Fundl	80 Ω Max.	30.000~54.000MHz	uAT,Fundl	40 Ω Max

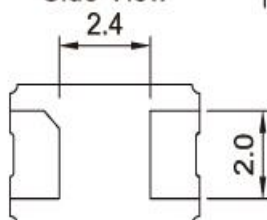
### Dimensions and patterns(unit:mm)



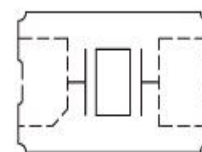
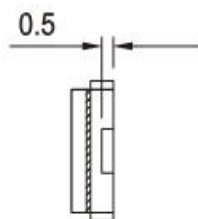
Top View



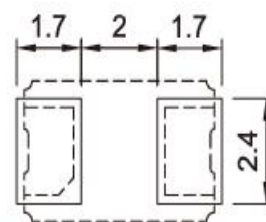
Side View



Bottom View



Top View Crystal Connection



Top View Suggested Layout