

## SMD Crystal UNITS 4.0\*2.5\*0.8mm (S4025A)

RoHS / Pb Free

### Features

- ▶ Ultra-thin thickness 0.8mm.
- ▶ It is a completely sealed type with a metal case sealed on a ceramic board.
- ▶ Automatic mounting is possible.
- ▶ Low impedance performance.
- ▶ Reflow is possible.
- ▶ RoHS compliant and lead free.

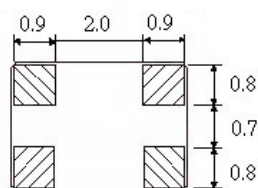
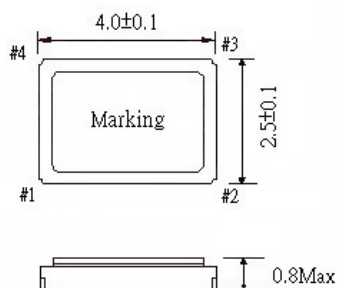
### Specifications

Type	SMD Crystal UNITS 4.0*2.5*0.8mm
Freq. range	12.0 ~ 50.0MHz
Vibration mode	AT cut , Fundamental
Frequency tolerance(at 25 °C)	-/+10ppm , -/+30ppm , or specify
Equivalent series resistance	See table No.1
Frequency stability over operating temperature range	-/+10ppm , -/+30ppm , or specify
Operating temperature range	-10 ~ +60°C , or specify
Drive Level	200uW Max.
Shunt capacitance	5.0pF Max.
Load capacitance	16pF, 18pF, 20pF, or specify
Aging	-/+2ppm/year , -/+5ppm/year
Min. Packing	1,000pcs/Reel

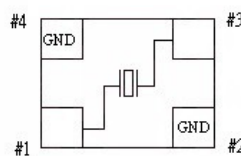
### Equivalent series resistance(ESR) Table No. 1

Frequency	Mode	ESR
12.0~15.0 MHz	Fundamental	80 ohms Max.
16.0~20.0 MHz	Fundamental	60 ohms Max.
21.0~50.0 MHz	Fundamental	50 ohms Max.

### Dimensions (Unit:mm)



(Bottom View)



Connection  
(Top View)

\*Specifications described are subject to change without notice for improvement.