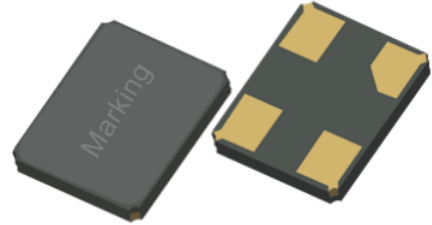


Size: 2.5×2.0×0.75 mm

N22G Series SMD Crystal

### Features

- 2520 size ultra miniature and lightweight SMD crystal units with low profile of 0.75mm
- Frequency range from 12MHz to 64MHz
- High precision and high frequency stability
- Automatic mounting and reflow soldering
- Application for wireless communications, PC, DSC, PDA, Wearable device, etc.
- Contain Pb in sealed glass exempted by RoHs directive



### Standard Specification

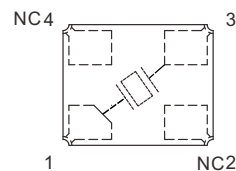
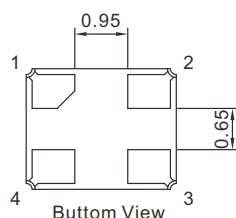
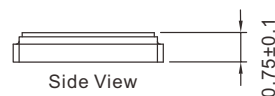
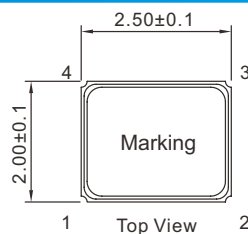
Item /Type	N22G
Frequency Range	12~64 MHz
Frequency Tolerance (at 25°C)	±10ppm, ±20ppm, or specify
Frequency stability Over Operating Temperature	±10ppm, ±20ppm, or specify
Operating Temperature Range	-20~+70°C, or specify
Shunt Capacitance (C <sub>0</sub> )	5pF Max.
Drive Level	1~50μW (10μW Typ.)
Load Capacitance	8pF, 10pF, or specify
Aging (at 25°C)	±3ppm /year Max.
Storage Temperature Range	-40~+85°C
Packing Unit	3000pcs./Reel

### Equivalent Series Resistance

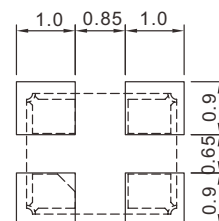
#### Fundamental

12~13 MHz	200Ω Max.	20~27 MHz	80Ω Max.
13~16 MHz	15Ω Max.	27~64 MHz	60Ω Max.
16~20 MHz	100Ω Max.		

### Dimensions [mm]



Top View Crystal Connection



Top View Suggested Layout