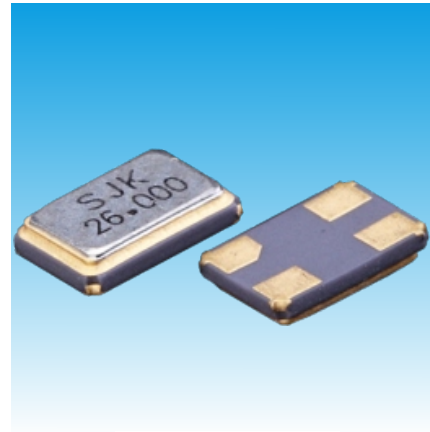


### Features

- 3225 size ultra miniature and lightweight SMD crystal units with low profile of 0.70mm
- Frequency range from 10MHz to 64MHz
- High precision and high reliability
- Automatic mounting and reflow soldering
- Applications: *Telecommunications, DVC, PC, DSC, PDA, Wearables, etc.*
- RoHS Compliant & Pb Free



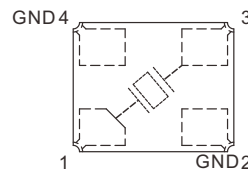
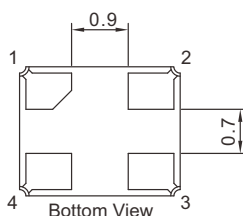
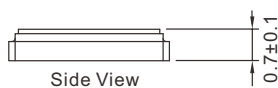
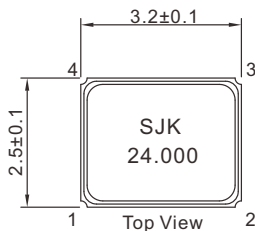
### Standard Specifications

Type	7U Series SMD Crystal
Frequency Range	10~64 MHz
Frequency Tolerance (at 25°C)	±10ppm, ±20ppm
Frequency Stability (over Operating Temp.)	±10ppm, ±20ppm
Operating Temperature Range	-40~+85°C, or specify
Shunt Capacitance (C <sub>0</sub> )	5pF Max.
Drive Level	1~200μW (100μW Typ.)
Load Capacitance	8pF, 10pF, 12pF, or specify
Aging (at 25°C)	±3ppm /year Max.
Storage Temperature Range	-55~+125°C
Packing Unit	3000pcs./Reel

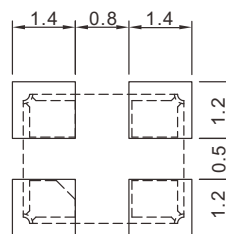
### Equivalent Series Resistance

Fundamental	
10~16 MHz	100Ω Max.
16~20 MHz	80Ω Max.
20~64 MHz	60Ω Max.

### Dimensions [mm]



Top View Crystal Connection



Top View Suggested Layout