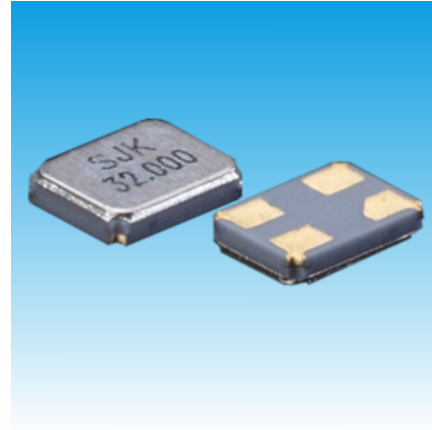


Features

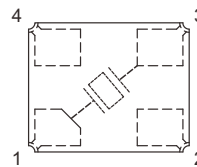
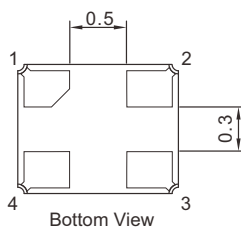
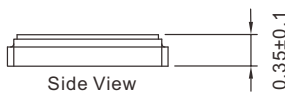
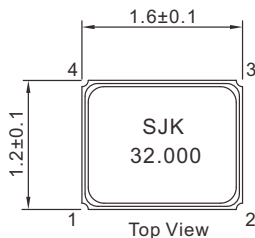
- 1612 size ultra miniature and lightweight SMD crystal units with low profile of 0.35mm
- Frequency range from 24MHz to 54MHz
- High precision and high frequency stability
- High reliable environmental performance
- Automatic mounting and reflow soldering
- Applications: *Wireless Communications, Smartphone, Wearable Devices, etc.*
- RoHS Compliant & Pb Free


Standard Specifications

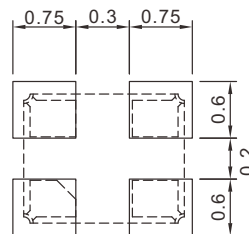
| Type | 7Y Series SMD Crystal |
|--|-----------------------|
| Frequency Range | 24~54 MHz |
| Frequency Tolerance (at 25°C) | ±10ppm, ±20ppm |
| Frequency Stability (over Operating Temp.) | ±10ppm, ±20ppm |
| Operating Temperature Range | -20~+70°C, or specify |
| Shunt Capacitance (C ₀) | 5pF Max. |
| Drive Level | 1~200μW (50μW Typ.) |
| Load Capacitance | 8pF, 10pF, or specify |
| Aging (at 25°C) | ±3ppm / year Max. |
| Storage Temperature Range | -55~+125°C |
| Packing Unit | 3000pcs. |

Equivalent Series Resistance

| Fundamental | |
|-------------|-----------|
| 24~30 MHz | 100Ω Max. |
| 30~54 MHz | 80Ω Max. |

Dimensions [mm]


Top View Crystal Connection



Top View Suggested Layout