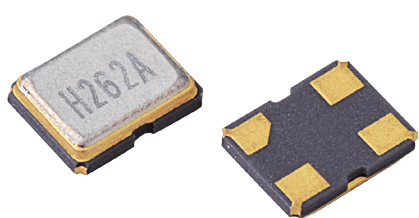




CRYSTAL RESONATOR

Seam Sealed Ceramic Package

HSX221SA Series



Features:

- Miniature ultra-thin SMD product dimension (2.5×2.0× 0.5 max).
- High precision and reliability with excellent heat resistance.
- Optimal solution for RF applications, wireless module devices, RFID application, and other consumer based products.

Dimension (mm):

| | |
|--|---|
| | <p>Internal Connections <Top View></p> |
| | <p>Recommended Land Pattern (mm) <Top View></p> |

Standard Specification:

| ITEM | TYPE | HSX221SA | | |
|--|------|---|----------|----------|
| | | 12~24MHz | 24~30MHz | 30~54MHz |
| Frequency Range | | 12~24MHz | 24~30MHz | 30~54MHz |
| Mode | | Fundamental | | |
| Frequency Tolerance | | ±7ppm ~ ±50ppm (at. 25°C) , or Specify | | |
| Frequency Stability over Operating Temperature Range | | ±10ppm, ±15ppm, or Specify | | |
| Operating Temperature | | -10 ~ +60 °C , or Specify | | |
| Load Capacitance | | Series, 8pF, 10pF, 12pF, or Specify | | |
| Drive Level | | 10µW (100µW Max.) | | |
| Equivalent Series Resistance | | 150ΩMax. | 80ΩMax. | 60ΩMax. |
| Storage Temp. Range | | -40 ~ +125°C | | |

*Packing Unit: 3,000pcs/Reel.