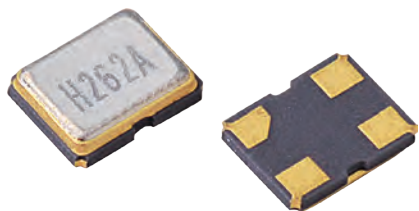




# CRYSTAL RESONATOR

## 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 &lt;Top View&gt;</p>
	<p>Recommended Land Pattern (mm) &lt;Top View&gt;</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.