



# HSX221SA SERIES

## SEAM SEALING PACKAGE

☑ RoHS Compliant ☑ Pb Free



### STANDARD SPECIFICATION

Items	Parameter		
Frequency Range	12~24MHz	24~30MHz	30~60MHz
Mode	Fundamental		
Frequency Tolerance (at.25°C)	±7ppm ~ ±10ppm		
Load Capacitance	4pF Min.		
Drive Level	10μW (300μW Max.)		
Equivalent Series Resistance	120Ω Max.	50Ω Max.	40Ω Max.
Storage Temp. Range	-55 ~ +125°C		

### FREQUENCY STABILITY OVER OPERATING TEMPERATURE RANGE

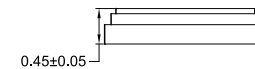
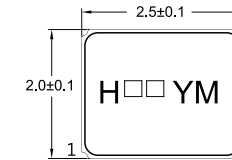
Operating Temperature	Stability
-30 ~ +85°C	± 10 ppm
-40 ~ +105°C	± 20 ppm
-40 ~ +125°C	± 50 ppm

\*For other specification, please contact us.

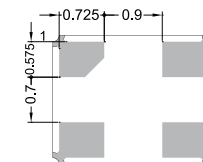
Packing Unit : 3,000pcs/Reel.

### DIMENSION

Unit:mm

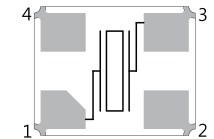


#### Bottom View

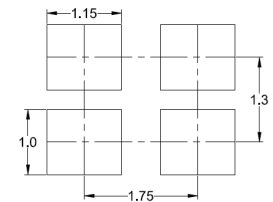


Pin Connections	
#1	Crystal
#2	GND/Lid
#3	Crystal
#4	GND/Lid

#### Internal Connection (Top View)



#### Recommended Land Pattern Tolerance: ±0.1



Actual Size