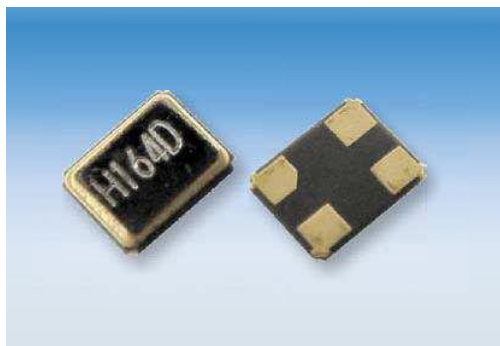


CRYSTAL RESONATORS

SMD TYPE

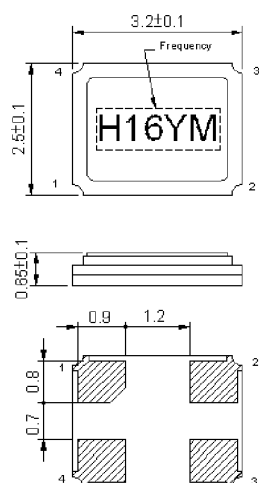
(RoHS Compliance) HSX321S Series



Features:

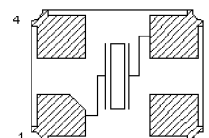
- Suitable applications include mobile and telecommunications equipment, short-range radio link modules, DVC, DSX, PDA and PC.
- High precision and reliability.

Dimension (mm):



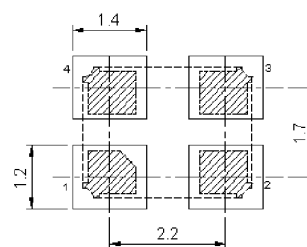
Internal Connections

<Top View>



Recommended Land Pattern (mm)

<Top View>



Standard Specification:

ITEM	TYPE	HSX321S			
Frequency Range		12MHz	12~20MHz	20~28MHz	28~50MHz
Mode		Fundamental			
Load Capacitance		Series, 8pF, 10pF, 12pF or Specify			
Drive Level		10μW (100μW Max.)			
Frequency Tolerance		±10ppm ~ ±50ppm (at. 25°C)			
Equivalent Series Resistance		120Ω Max.	80Ω Max.	60Ω Max.	50Ω Max.
Frequency Stability (Temp.)		±10ppm / -10 ~ +60 °C (Ref. to 25°C)			
		±15ppm / -20 ~ +70 °C (Ref. to 25°C)			
		±20ppm / -30 ~ +85 °C (Ref. to 25°C)			
Operating Temp. Range		-10 ~ +60°C			
Storage Temp. Range		-40 ~ +85°C			

*Packing Unit : 3,000pcs/Reel.