

H.ELE.®

加高電子股份有限公司
HARMONY ELECTRONICS CORP.

CRYSTAL RESONATOR

For Automotive Application

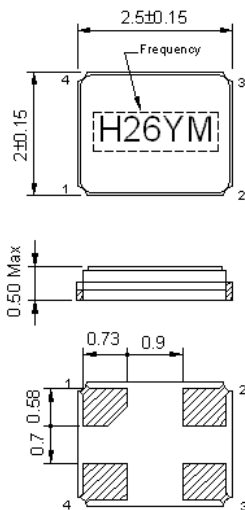
HSX221SAK Series



Features:

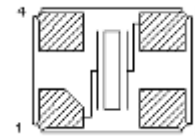
- Miniature ultra-thin SMD product dimension (2.5×2.0× 0.5 max).
- High precision and reliability with excellent heat resistance.
- Available for Automotive applications such as tire pressure sensors, smart control wireless transfer, navigation applications, GPS, and multimedia devices.
- TS16949 Certified; AEC specification and IMDS registration available.

Dimension (mm):



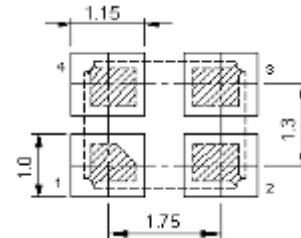
Internal Connections

<Top View>



Recommended Land Pattern (mm)

<Top View>



Standard Specification:

ITEM	TYPE	HSX221SAK		
		16~24MHz	24~30MHz	30~54MHz
Frequency Range		16~24MHz	24~30MHz	30~54MHz
Mode		Fundamental		
Frequency Tolerance		±10ppm ~ ±50ppm (at. 25°C) , or Specify		
Frequency Stability over Operating Temperature Range		±30ppm, ±50ppm, or Specify		
Operating Temperature		-40 ~ +105 °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.