

# CRYSTAL RESONATORS

SMD TYPE

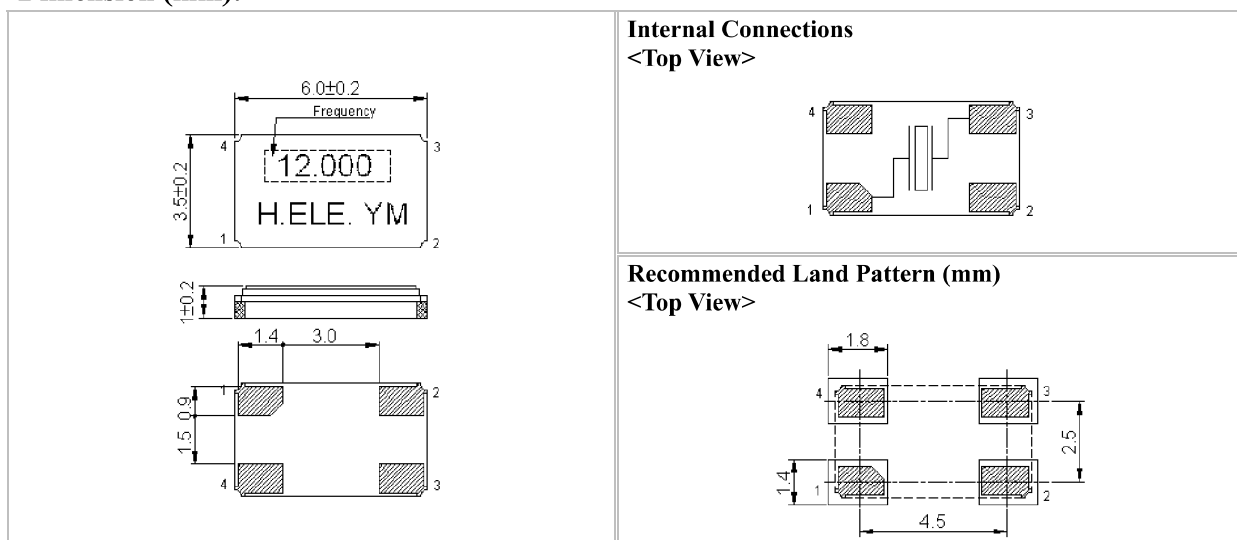
**(RoHS Compliance)** HSX631S Series



**Features:**

- Suitable for various applications including cellular telephones, PHS, USB, etc.
- High precision and reliability.

**Dimension (mm):**



**Standard Specification:**

ITEM	TYPE	HSX631S			
		7.372 ~ 10 MHz	10 ~ 12 MHz	12 ~ 50 MHz	40 ~ 80 MHz
Frequency Range		7.372 ~ 10 MHz	10 ~ 12 MHz	12 ~ 50 MHz	40 ~ 80 MHz
Mode		Fundamental			3 <sup>rd</sup> Overtone
Load Capacitance		Series, 8pF, 10pF, 12pF, 16pF or Specify			
Drive Level		10μW (100μW Max.)	10μW (300μW Max.)		10μW (500μW Max.)
Frequency Tolerance		±10ppm , ±20ppm , ±30ppm (at. 25°C)			
Equivalent Series Resistance		150Ω Max.	80Ω Max.	50Ω Max.	70Ω 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 : 1,000pcs/Reel.

HARMONY ELECTRONICS CORP.

