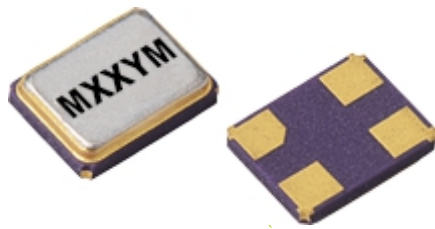


## X221S Series-2.5mm x 2.0mm

### CRYSTAL RESONATOR, SEAM SEALED CERAMIC PACKAGE



#### Features

- Miniature ultra-thin SMD product dimension.
- High precision and reliability with excellent heat resistance.
- Optimal solution for RF applications, wireless module devices, RFID application, and other consumer based products.

#### STANDARD SPECIFICATION:

ITEMS	PARAMETER		
	12 ~ 24MHz	24 ~ 30MHz	30 ~ 60MHz
Frequency Range	12 ~ 24MHz	24 ~ 30MHz	30 ~ 60MHz
Mode	Fundamental		
Frequency Tolerance	$\pm 7\text{ppm} \sim \pm 50\text{ppm}$ (at. $25^{\circ}\text{C}$ ), or Specify		
Frequency Stability over Operating Temperature Range	$\pm 10\text{ppm}$ , $\pm 15\text{ppm}$ , or Specify		
Operating Temperature	$-20 \sim +75^{\circ}\text{C}$ , or Specify		
Load Capacitance	Series, 8pF, 10pF, 12pF, or Specify		
Drive Level	$10\mu\text{W}$ ( $100\mu\text{W}$ Max.)		
Equivalent Series Resistance	150 $\Omega$ Max.	80 $\Omega$ Max.	60 $\Omega$ Max.
Storage Temp. Range	$-40 \sim +125^{\circ}\text{C}$		

**Packing Unit : 3,000pcs/Reel.**

#### DIMENSION

Unit: mm

