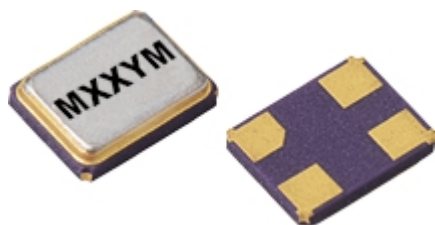


X321S Series-3.2mm x 2.5mm

CRYSTAL RESONATOR, SEAM SEALED CERAMIC PACKAGE



Features

- Mainstream miniature SMD type with a mature industry production history, current usage spreads over a wide range of applications.
- High precision and reliability with excellent heat resistance.
- Common solution for IoT, WiFi, and RF applications, module devices, and other consumer-based mobile products.

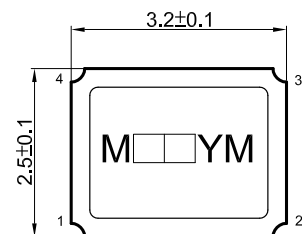
STANDARD SPECIFICATION:

ITEMS	PARAMETER			
	8MHz	12 ~ 20MHz	20 ~ 28MHz	28 ~ 54MHz
Frequency Range	8MHz	12 ~ 20MHz	20 ~ 28MHz	28 ~ 54MHz
Mode	Fundamental			
Frequency Tolerance	$\pm 7\text{ppm} \sim \pm 50\text{ppm}$ (at. 25°C)			
Frequency Stability over Operating Temperature Range	$\pm 10\text{ppm}$ $-20 \sim +75^{\circ}\text{C}$, $\pm 20\text{ppm}$ $-40 \sim +105^{\circ}\text{C}$, or Specify			
Load Capacitance	Series, 8pF, 10pF, 12pF or Specify			
Drive Level	$10\mu\text{W}$ ($300\mu\text{W}$ Max.)			
Equivalent Series Resistance	400 Ω Max.	80 Ω Max.	60 Ω Max.	50 Ω Max.
Storage Temp. Range	$-40 \sim +125^{\circ}\text{C}$			

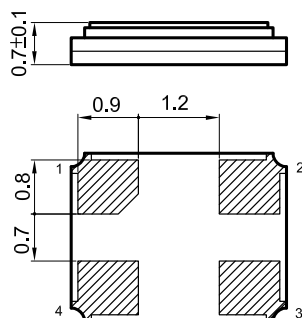
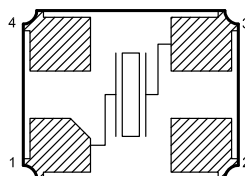
Packing Unit : 3,000pcs/Reel.

DIMENSION

Unit: mm



Internal Connection (Top View)



Recommended Land Pattern (Top View)

