

- 1. Device Name Crystal Resonator
- 2. Model Name DSX321SH
- 3. Nominal Frequency 12.000 MHz
- 4. Device Summary
- Mass 0.019 g max.
- Pb-free Yes
- RoHS COMPLIANCE
- MSL = 1

5. Electrical Characteristics

Item	Limits			unit	Conditions	Notes
Mode of Vibration	AT-cut fundamental					
Load Capacitance	-	12	-	pF		
Drive Level	-	10	-	uW		
Series Resistance	-	-	80	Ω		
Frequency Tolerance	-10	-	10	ppm	T _A = 25 °C	
Frequency Characteristics Over Temperature	-20	-	20	ppm	T _A = -40 ~ 85 °C	
Operating Temperature Range	-40	-	85	°C		
Storage Temperature Range	-40	-	85	°C		
Shunt Capacitance(C0)	-	-	2	pF		
Insulation Resistance	500	-	-	MΩ		

TITLE DSX321SH TYPE SPECIFICATION		REMARK P2024-0008	
DATE 2024/1/9	SPEC. No. 1ZNY12000AB0C	REV.	PAGE 1 / 2

6. DIMENSIONS AND MARKING

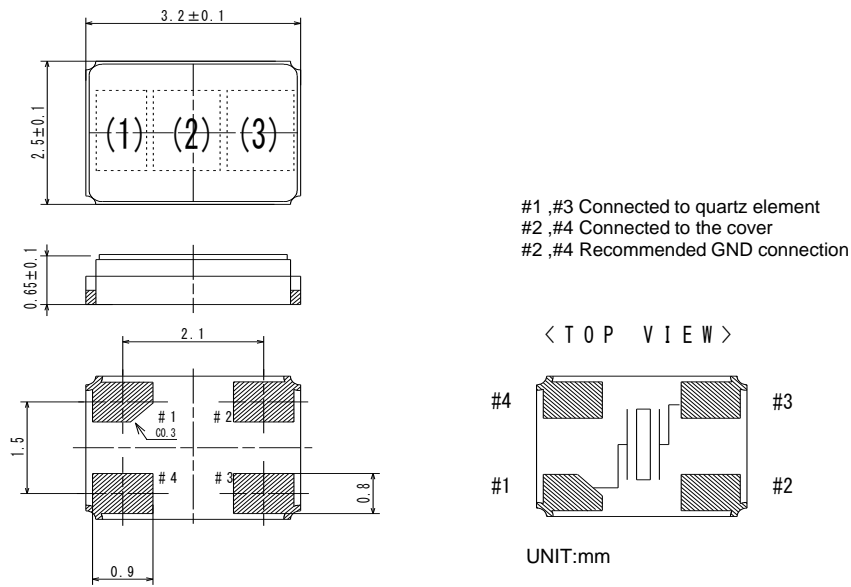


Figure-1

Logo(1) and Nominal Frequency (2) should be printed as follows by producing district

Made in THAILAND ⇒ Logo : \overline{D} , Frequency: 12 : Top Bar with D

* Depending on the detailed application, some production areas may not be available. Please note.

Nominal Frequency (2) = Mark two digits from upper decimal point
 (ex. 12.000 MHz ----> 12)

Manufacturing lot No.(3)

Year : The last digit of the year
 week : We gave the sequence of week numbers 01(first week) for production date.
 there are starting from 1st of Jan. However, add '0' figure to the first week during the nine weeks.
 The week means are from Sunday to Saturday.
 (ex. 2024/1/9 ----> 402)

TITLE DSX321SH TYPE SPECIFICATION		REMARK P2024-0008	
DATE 2024/1/9	SPEC. No. 1ZNY12000AB0C	REV.	PAGE 2 / 2