1. Device Name   Crystal Resonator
2. Model Name   DSX321G
3. Nominal Frequency   16.000   MHz
4. Device Summary

     Mass   0.018   g max.
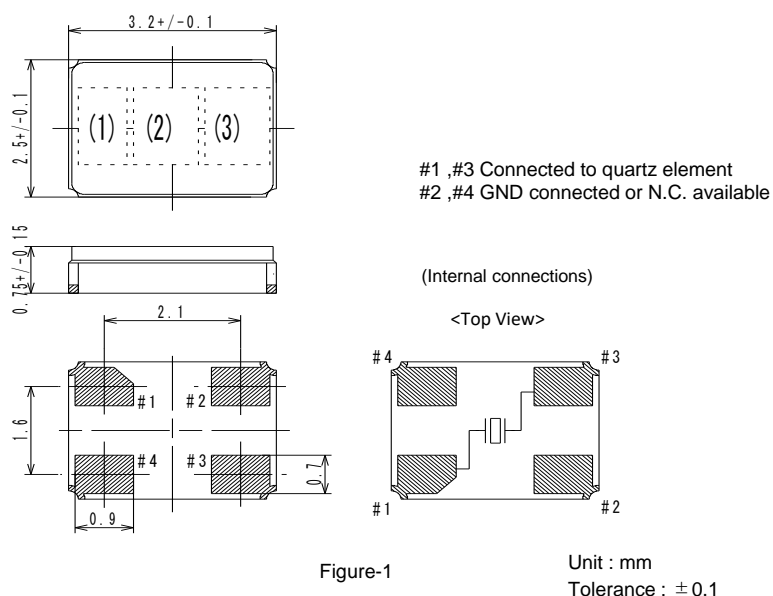
     RoHS Compliant

MSL = 1

     AEC-Q200 Compliant

5. Electrical Characteristics

Item	Limits			unit	Conditions	Notes
	min.	Typ.	max.			
Mode of Vibration	AT-cut fundamental					
Load Capacitance	-	8	-	pF		
Drive Level	-	10	300	uW		
Series Resistance	-	-	50	Ω		
Frequency Tolerance	-20	-	20	ppm	T_A= 25 ℃	
Frequency Characteristics Over Temperature	-100	-	100	ppm	T_A= -40 ~ 125 ℃	
Aging(ref. +25 deg.C)	-20	-	10	ppm	15 years	
Operating Temperature Range	-40	-	125	℃		
Storage Temperature Range	-40	-	125	℃		
Shunt Capacitance(C0)	0.8	1.0	1.2	pF		
Motional Capacitance(C1)	2.4	3.0	3.6	fF		
Motional Inductance(L1)	26.5	33.1	39.7	mH		
Insulation Resistance	500	-	-	MΩ		

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6. DIMENSIONS AND MARKING

#1 ,#3 Connected to quartz element
#2 ,#4 GND connected or N.C. available

(Internal connections)

<Top View>

Figure-1

Unit : mm
Tolerance : ±0.1

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

Made in Indonesia	⇒	Logo : <u>D</u> ,	Frequency: 16	: Under Bar with D
Made in THAILAND	⇒	Logo : D̄ ,	Frequency: 16	: 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.   16.000   MHz ---->   16   )

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.   2024/9/3   --->   436   )

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