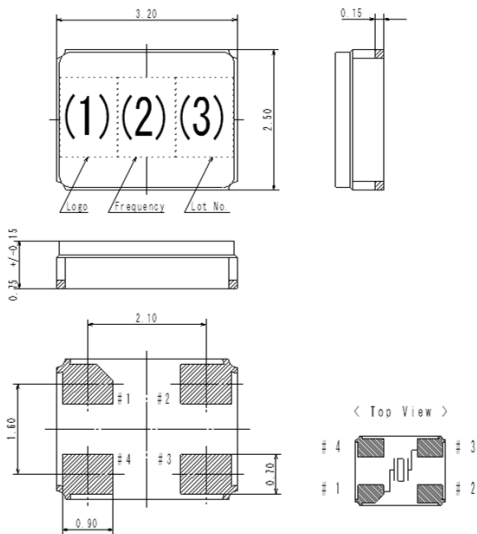


**SPECIFICATION OF SURFACE MOUNT TYPE**

1 .TYPE	DSX321G				
2 .NOMINAL FREQUENCY	12.000000	MHz			
3 .LOAD CAPACITANCE(CL)	8.0	pF			
4 .DRIVE LEVEL	10	μW	+/- 2	μW	
5 .FREQUENCY TOLERANCE	+/- 10	x 10 <sup>-6</sup>		at 25 deg.C	+/- 3 deg.C
6 .SERIES RESISTANCE	150	ohms	max. / CL = SERIES		
7 .FREQUENCY CHARACTERISTICS OVER TEMPERATURE(ref. +25 deg.C)	+/- 15	x 10 <sup>-6</sup>		/ -40 deg.C to +85 deg.C	
8 .OPERATING TEMPERATURE RANGE	-40	deg.C	to	+85 deg.C	
9 .STORAGE TEMPERATURE RANGE	-40	deg.C	to	+85 deg.C	
10 .SHUNT CAPACITANCE(C0)	2.0	pF	max.		
11 .INSULATION RESISTANCE	500 Mohms min. at 100V DC				
12 .OVERTONE ORDER	Fundamental				
13 .DIMENSIONS	Refer to Fig-1				
14 .PART NUMBER	239850				



(1)Logo, (2)Frequency and Manufacturing Location

Producing District	(1)Logo	(2)Frequency
INDONESIA	D	12
THAILAND	D	12
TAIWAN	D	<u>12</u>

- \* Made in INDONESIA : Under Bar with (1)Logo
- \* Made in THAILAND : Top Bar with (1)Logo
- \* Made in TAIWAN : Under Bar with (2)Frequency

(3)Lot No.

unit : mm  
Tolerance : +/-0.1  
Pin #2 #4 is not connected with anything.

Fig.1