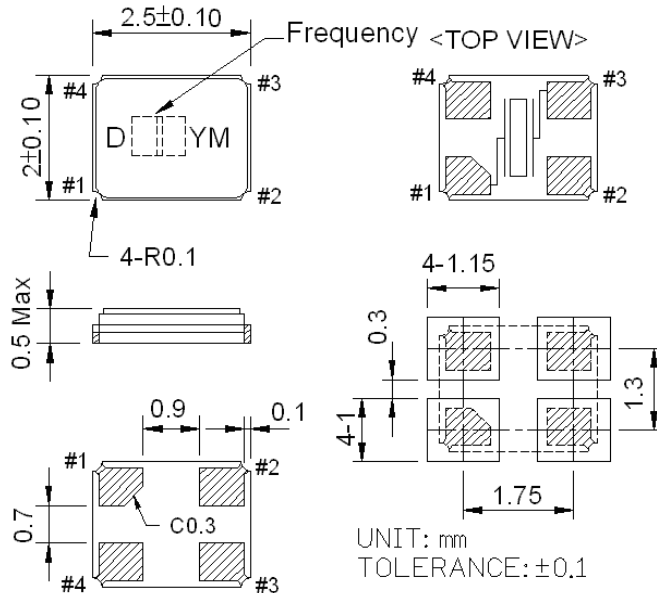


SPECIFICATION OF SURFACE MOUNT TYPE

1 .TYPE	DSX221SH
2 .NOMINAL FREQUENCY	24.000000 MHz
3 .LOAD CAPACITANCE(CL)	10.0 pF
4 .DRIVE LEVEL	10 uW +/- 2 uW (100 uW max.)
5 .FREQUENCY TOLERANCE	+/- 10 × 10 ⁻⁶ at 25 deg.C +/- 3 deg.C
6 .SERIES RESISTANCE	100 ohms max. / CL = SERIES
7 .FREQUENCY CHARACTERISTICS OVER TEMPERATURE	+/- 20 × 10 ⁻⁶ / -20 deg.C to +70 deg.C (ref. +25 deg.C)
8 .OPERATING TEMPERATURE RANGE	-20 deg.C to +70 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



(Fig.-1)

Marking is Laser Marking:

*Marking should be printed as following:

Logo, Nominal Frequency, Manufactured year & month

*Nominal frequency = Mark two digits from upper (ex. 24.000000 MHz --> 24)

*Manufacturing Lot No.

(Y : year) ex. 2011 shall be marked as ' 1 ' (The last digit of the year)
(M : month) ex. December shall be marked as ' M ' (As shown in Table-1.)

(Table-1)

Jan.	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
A	B	C	D	E	F	G	H	J	K	L	M