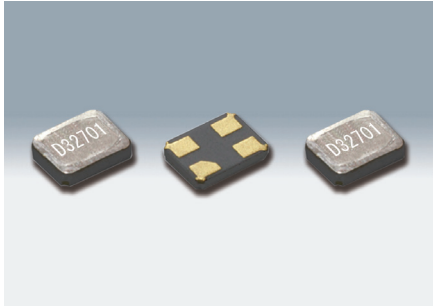


# SMD Crystal Resonators / MHz Band Crystal Resonators

## DSX1612S



Actual size □

### ■ Features

- 1612 size ultra miniature and lightweight SMD crystal resonator with a low profile of 0.35 mm.
- High precision and high reliability (Frequency aging specification of  $\pm 1 \times 10^{-6}$ /1 year or  $\pm 3 \times 10^{-6}$ /5 years is available for cell phone or wireless communication systems etc.)
- Allowing for high density surface mounting.

### ■ Applications

- Small mobile devices for next generation such as mobile communications, short-range wireless modules, digital AV equipment and PC.
- Wearable devices



### ■ Standard Specification

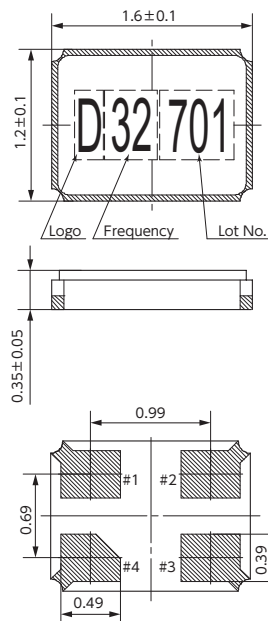
Item	Type	DSX1612S		
Frequency Range		24 to 32MHz	32 to 40MHz	40 to 54MHz
Overtone Order		Fundamental		
Load Capacitance		8pF, 10pF, 12pF		
Drive Level		10 $\mu$ W (100 $\mu$ W max.)		
Frequency Tolerance		$\pm 10 \times 10^{-6}$ , $\pm 20 \times 10^{-6}$ (at 25°C)		
Series Resistance		100 $\Omega$ max.	50 $\Omega$ max.	
Frequency Characteristics over Temperature		$\pm 15 \times 10^{-6}$ , $\pm 30 \times 10^{-6}$ / -30 to +85°C (Ref. To 25°C)		
Storage Temperature Range		-40 to +85°C		
Packing Unit (1)		3000pcs./reel ( $\phi 180$ )		

(1) Moisture prevention packing is unnecessary.  
Moisture Sensitivity Level: LEVEL1 (IPC/JEDEC J-STD-033)

Consult our sales representative for other specifications.

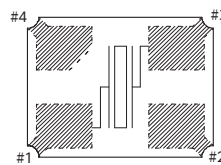
[mm]

### ■ Dimensions



### ■ Internal Connections

〈Top View〉



- # 1 & # 3 connected to quartz element
- # 2 connected to the cover
- # 4 open (unconnected)
- # 2 & # 4 recommended GND connection

### ■ Recommended Land Pattern

〈Top View〉

