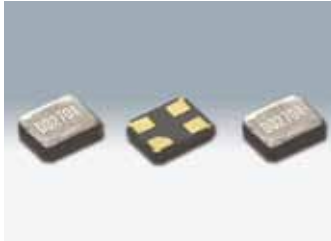
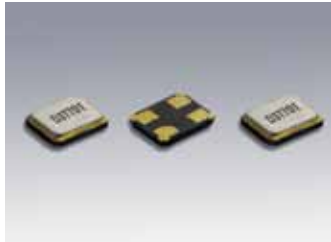


SMD Crystal Resonators / MHz Band Crystal Resonators

DSX1612S/DSX1612SL



DSX1612S Actual size □



DSX1612SL Actual size □

■ Features

- 1612 size ultra miniature and lightweight SMD crystal resonator.
- Height DSX1612S : 0.35mm
DSX1612SL : 0.33mm max.
- 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			DSX1612SL			
		24 to 32MHz	32 to 40MHz	40 to 54MHz	32MHz	37.4MHz / 38.4MHz / 40MHz	48MHz	52MHz
Frequency Range								
Overtone Order		Fundamental						
Load Capacitance		8pF, 10pF, 12pF						
Drive Level		10 μ W (100 μ W max.)						
Frequency Tolerance		$\pm 20 \times 10^{-6}$ (at 25°C)						
Series Resistance		200 Ω max.	150 Ω max.	100 Ω max.	80 Ω max.	60 Ω max.	30 Ω max.	50 Ω max.
Frequency Characteristics over Temperature		$\pm 30 \times 10^{-6}$ / -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.

■ DSX1612S

[mm] ■ DSX1612SL

[mm]

■ DSX1612S		■ DSX1612SL	
■ Dimensions 	■ Internal Connections (Top View) <p># 1 & # 3 connected to quartz element # 2 connected to the cover # 4 open (unconnected) # 2 & # 4 recommended GND connection</p>	■ Dimensions 	■ Internal Connections (Top View) <p># 1 & # 3 connected to quartz element # 2 & # 4 connected to the cover # 2 & # 4 recommended GND connection</p>
■ Recommended Land Pattern (Top View) 	■ Recommended Land Pattern (Top View) 	■ Recommended Land Pattern (Top View) 	■ Recommended Land Pattern (Top View)