

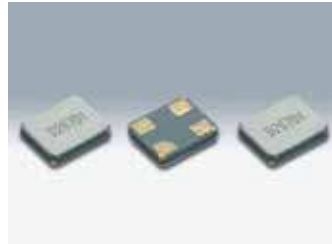
SMD Crystal Resonators/MHz Band Crystal Resonators

DSX1612S/DSX211A/DSX211AL



DSX1612S

Actual size □

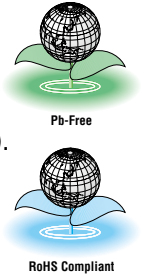


DSX211A/
DSX211AL

Actual size □

■ Features

- 1612 size ultra miniature and lightweight SMD crystal resonator with a low profile of 0.35mm (DSX1612S).
- 2016 size miniature and lightweight SMD crystal resonator (height DSX211A 0.45mm/DSX211AL 0.35mm)
- High precision and high reliability (Frequency aging specification of $\pm 1 \times 10^{-6}$ /1 year or $\pm 3 \times 10^{-6}$ /5 year are available for cell phone or wireless communications systems etc.)
- Allowing for high density surface mounting.



■ Applications

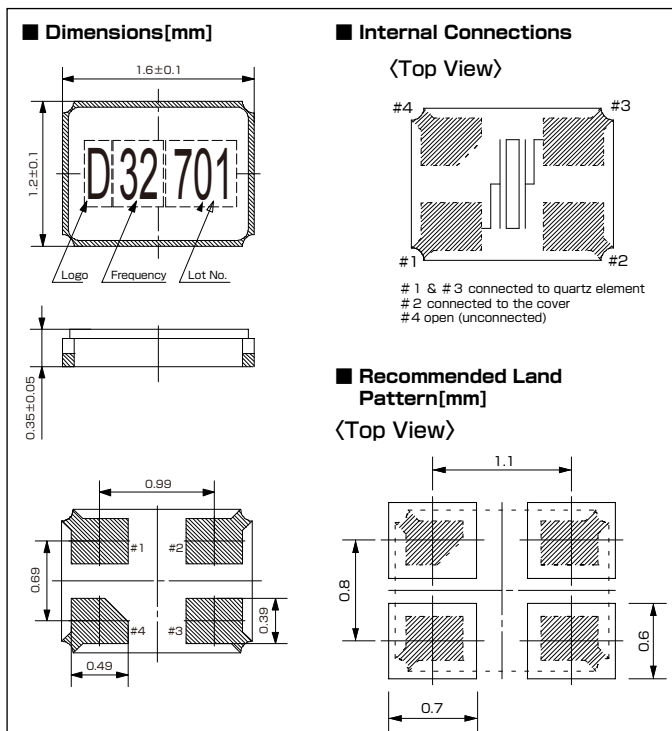
- Small mobile devices for next generation like mobile communications, short-range wireless modules, digital AV equipment and PC.

■ Standard Specification

Item	Type	DSX1612S			DSX211A		DSX211AL
		26 ~ 32MHz	32 ~ 40MHz	40 ~ 54MHz	24 ~ 26MHz	26 ~ 36MHz	36 ~ 50MHz
Frequency Range		26 ~ 32MHz	32 ~ 40MHz	40 ~ 54MHz	24 ~ 26MHz	26 ~ 36MHz	36 ~ 50MHz
Overtone Order		Fundamental					
Load Capacitance		Series, 8pF, 10pF, 12pF					
Drive Level		10μW (100μW max.)					
Frequency Tolerance		$\pm 10 \times 10^{-6}$, $\pm 20 \times 10^{-6}$, $\pm 30 \times 10^{-6}$, $\pm 50 \times 10^{-6}$ (at 25°C)					
Series Resistance		200Ω max.	150Ω max.	100Ω max.		60Ω max.	
Frequency Characteristics over Temperature		$\pm 8 \times 10^{-6}$, $\pm 20 \times 10^{-6}$, $\pm 30 \times 10^{-6}$, $\pm 50 \times 10^{-6}$ / -10 ~ +60°C (Ref. To 25°C)					
		$\pm 12 \times 10^{-6}$, $\pm 20 \times 10^{-6}$, $\pm 30 \times 10^{-6}$, $\pm 50 \times 10^{-6}$ / -20 ~ +70°C (Ref. To 25°C)					
		$\pm 15 \times 10^{-6}$, $\pm 20 \times 10^{-6}$, $\pm 30 \times 10^{-6}$, $\pm 50 \times 10^{-6}$ / -30 ~ +85°C (Ref. To 25°C)					
Storage Temperature Range		-40 ~ +85°C					
Packing Unit		3000pcs./reel (φ180)					

Consult our sales representative for other specifications.

■ DSX1612S



■ DSX211A/DSX211AL

