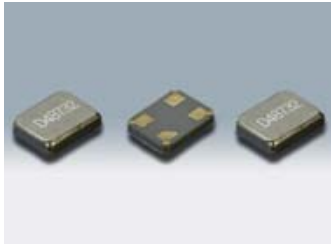


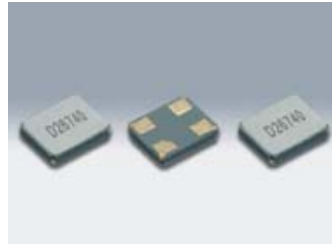
SMD Crystal Resonators/MHz Band Crystal Resonators

DSX1612A/DSX211A/DSX211AL



DSX1612A

Actual size □

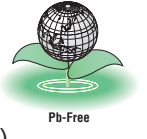


DSX211A/
DSX211AL

Actual size □

■ Features

- 1612 size ultra miniature and lightweight SMD crystal resonator with a low profile of 0.30mm (DSX1612A).
- 2016 size miniature and lightweight SMD crystal resonator (height DSX211A 0.45mm/DSX211AL 0.35mm)
- High precision and high reliability (Frequency aging specification of $\pm 1\text{ppm}/1\text{ year}$ or $\pm 3\text{ppm}/5\text{ year}$ are available for cell phone or wireless communications systems etc.)



Pb-Free



RoHS Compliant

■ Applications

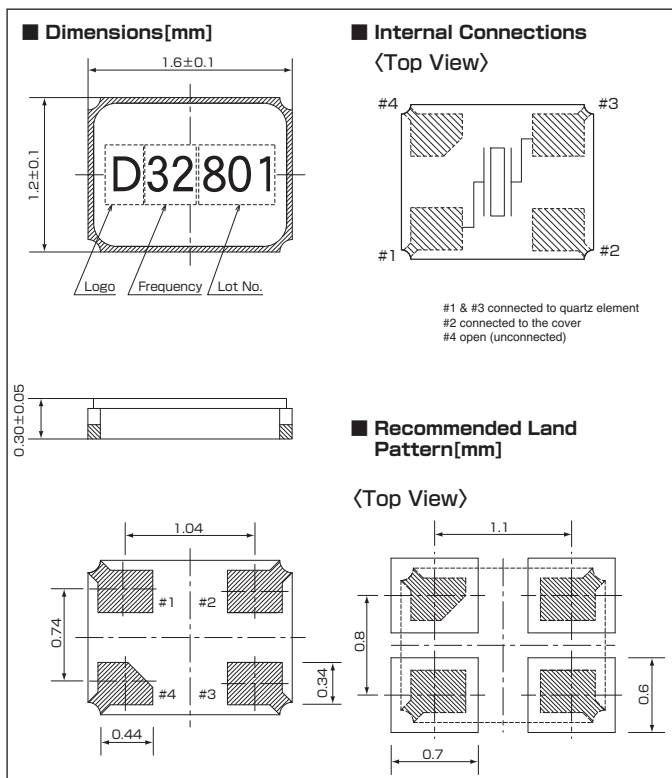
- Small mobile devices for next generation like mobile communications, short-range wireless modules, digital AV equipment and PC.

■ Standard Specification

Item	Type	DSX1612A		DSX211A		
				DSX211AL		
Frequency Range		32 ~ 40MHz	40 ~ 52MHz	24 ~ 26MHz	26 ~ 36MHz	36 ~ 50MHz
Overtone Order		Fundamental				
Load Capacitance		Series, 8pF, 10pF, 12pF				
Drive Level		10 μ W (100 μ W 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		150 Ω max.	100 Ω max.	60 Ω 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 ($\phi 180$)				

Consult our sales representative for other specifications.

■ DSX1612A



■ DSX211A/DSX211AL

