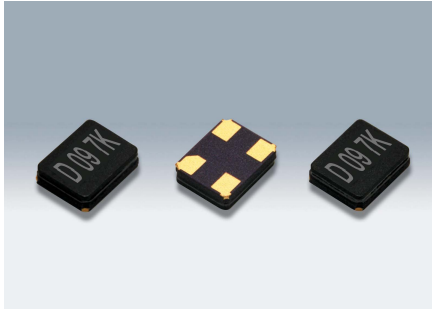


# SMD Crystal Resonators / MHz Band Crystal Resonators

## DSX321G



Actual size

### ■ Features

- 3225 size miniature and lightweight SMD crystal resonator with a low profile of 0.75mm.
- High precision and high reliability
- Offers a wide frequency range from a comparatively low 9.8MHz up to 55MHz.

### ■ Applications

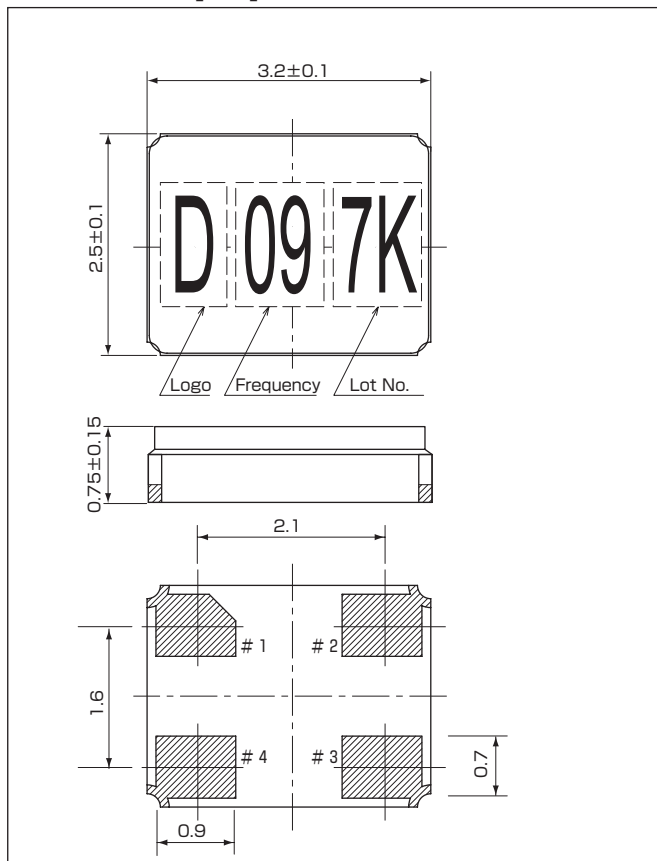
- Telecommunications products like Short-range wireless modules and other small devices such as DVC, DSC, PDA, PC.
- Automotive applications such as bluetooth, wireless LAN, GPS, RKE (Remote Keyless Entry), safety control and multimedia device (AEC-Q200 Compliant)

### ■ Standard Specification

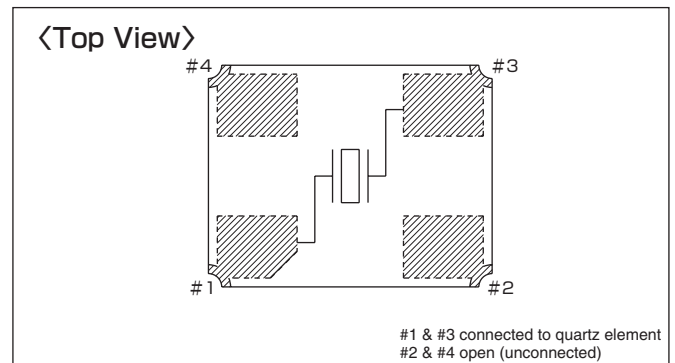
Item	Type	DSX321G				
Frequency Range		9.8~11MHz	11~12MHz	12~20MHz	20~27MHz	27~55MHz
Overtone Order		Fundamental				
Load Capacitance		Series, 8pF, 10pF, 12pF				
Drive Level		10μW (200μW max.)				
Frequency Tolerance		±10×10 <sup>-6</sup> , ±20×10 <sup>-6</sup> , ±30×10 <sup>-6</sup> , ±50×10 <sup>-6</sup> (at 25°C)				
Series Resistance		150Ω max.	100Ω max.	80Ω max.	60Ω max.	50Ω max.
Frequency Characteristics over Temperature		±8×10 <sup>-6</sup> / -10~+60°C (Ref. to 25°C)				
		±12×10 <sup>-6</sup> / -20~+70°C (Ref. to 25°C)				
		±15×10 <sup>-6</sup> / -30~+85°C (Ref. to 25°C)				
Storage Temperature Range		-40~+85°C				
Packing Unit		3000pcs./reel (φ180)				
Standard Specification		Refer to page 36				

Consult our sales representative for other specifications.

### ■ Dimensions [mm]



### ■ Internal Connections



### ■ Recommended Land Pattern [mm]

