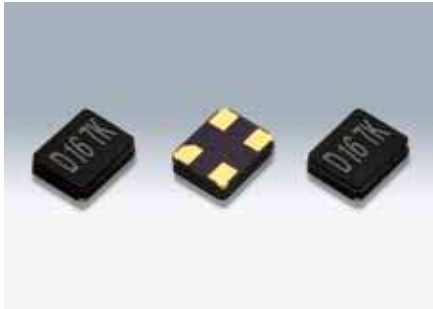



SMD Crystal Resonators / MHz Band Crystal Resonators

DSX321G



Actual size

■ Features

- 3225 size miniature and lightweight SMD crystal resonator.
Height DSX321G (over 12MHz): 0.75mm
Height DSX321G (under 12MHz): 0.85mm
- Excellent heat resistance, 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.)
- Offers a wide frequency range from a comparatively low 7.9MHz up to 64MHz.
- AEC-Q200 Compliant
- It is possible to correspond to complete lead free. 



■ Applications

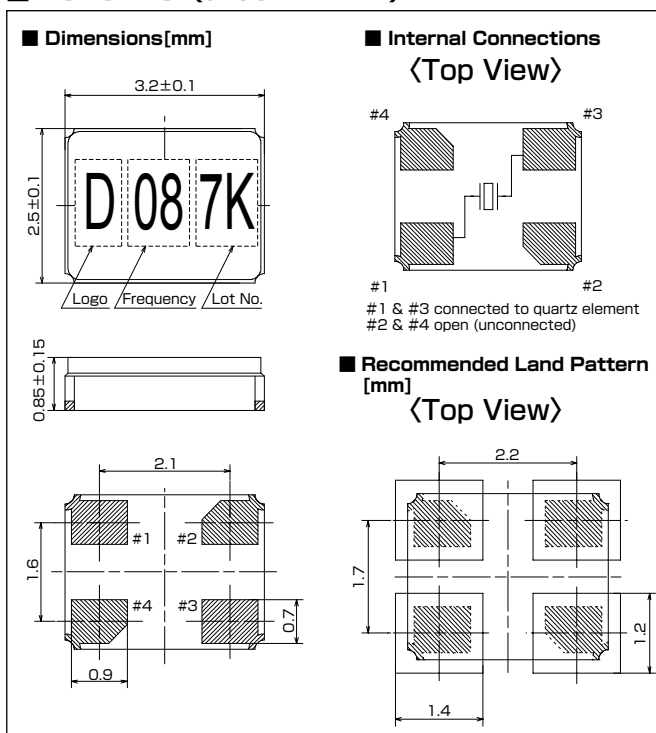
- Telecommunications products, short-range wireless modules and other small devices such as DVC, DSC, PDA, PC.
- Automotive applications such as bluetooth, wireless LAN, GPS, RKE (Remote Keyless Entry), safety control and multimedia device (AEC-Q200 Compliant)

■ Standard Specification

Item	Type	DSX321G						
Frequency Range		7.9 ~ 9MHz	9 ~ 9.8MHz	9.8 ~ 11MHz	11 ~ 12MHz	12 ~ 20MHz	20 ~ 27MHz	27 ~ 64MHz
Overtone Order		Fundamental						
Load Capacitance		Series, 8pF, 10pF, 12pF						
Drive Level		10μW (200μW 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		400Ω max.	300Ω max.	150Ω max.	100Ω max.	80Ω max.	60Ω max.	50Ω 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)						
Standard Specification		Refer to page 33						

Consult our sales representative for other specifications.

■ DSX321G (under 12MHz)



■ DSX321G (over 12MHz)

