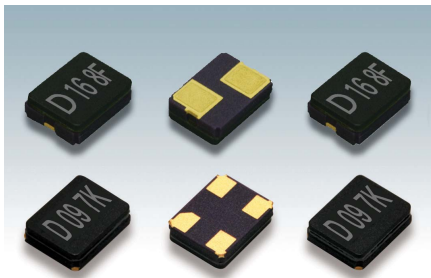


# SMD Crystal Resonators / MHz Band Crystal Resonators<For Automotive>

## DSX320G/DSX321G



Actual size

### ■ Features

- Miniature and lightweight SMD crystal resonator (height DSX320G 0.85mm / DSX321G 0.75mm)
- High precision and high reliability
- Offers a wide frequency range from 9.8MHz to 40MHz
- Enhanced durability of solder parts for thermal cycles : after 3000 Thermal cycle tests under the test condition we made (DSX320G)
- AEC-Q200 Compliant

### ■ Applications

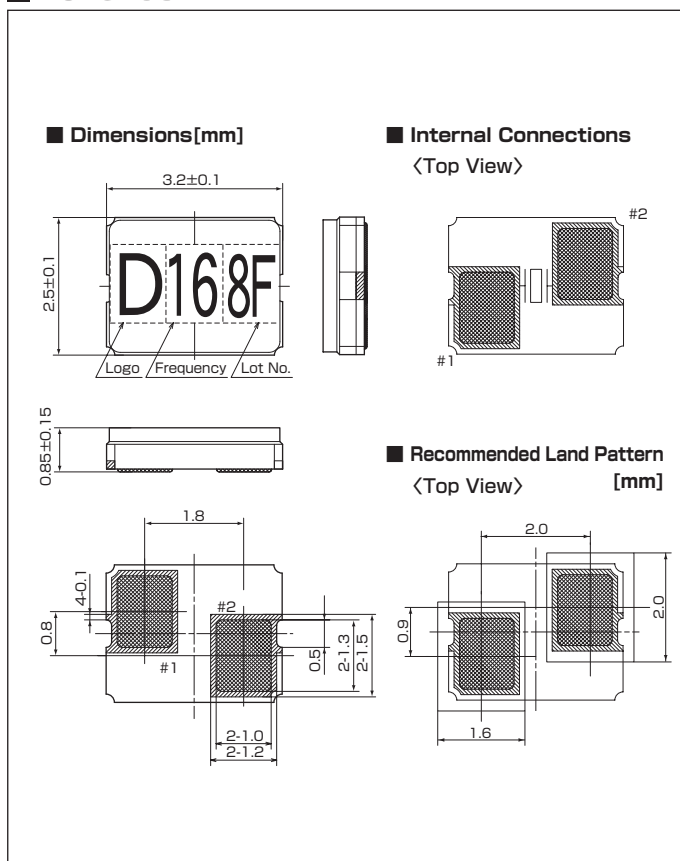
- Automotive radio applications such as bluetooth, wireless LAN, GPS.
- RKE (Remote Keyless Entry), safety control and multimedia device
- ECU (engine, bodywork control), safety relations, car body control, EPS (DSX320G)

### ■ Standard Specification

Item	Type	DSX320G/DSX321G			
		9.8~11MHz	11~12MHz	12~27MHz	27~40MHz
Frequency Range		9.8~11MHz	11~12MHz	12~27MHz	27~40MHz
Overtone Order		Fundamental			
Load Capacitance		Series, 8pF~20pF			
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		200Ω max.	150Ω max.	120Ω max.	100Ω max.
Frequency Characteristics over Temperature		±50×10 <sup>-6</sup> / -40~+85°C (Ref. to 25°C)			
		±100×10 <sup>-6</sup> / -40~+125°C (Ref. to 25°C)			
		±200×10 <sup>-6</sup> / -40~+150°C (Ref. to 25°C)			
Storage Temperature Range		-40~+150°C			
Reliability		AEC-Q200-REV. C			
Packing Unit		3000pcs./reel (φ180)			

Consult our sales representative for other specifications.

### ■ DSX320G



### ■ DSX321G

