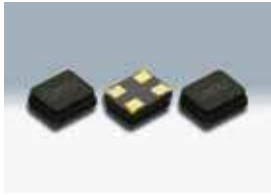
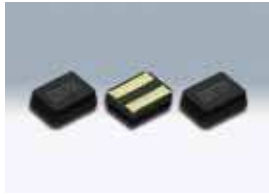


# SMD Crystal Resonators / MHz Band Crystal Resonators (For Automotive)

## DSX211G/DSX210G



DSX211G



DSX210G

Actual size □

### ■ Features

- Miniature and lightweight SMD crystal resonator (height DSX211G 0.65mm / DSX210G 0.70mm)
- Excellent heat resistance, High precision and high reliability
- Offers a wide frequency range from 20MHz to 64MHz
- Enhanced durability of solder parts for thermal cycles : after 3000 Thermal cycle tests "-40, +85°C"(DSX210G)
- AEC-Q200 Compliant

### ■ Applications

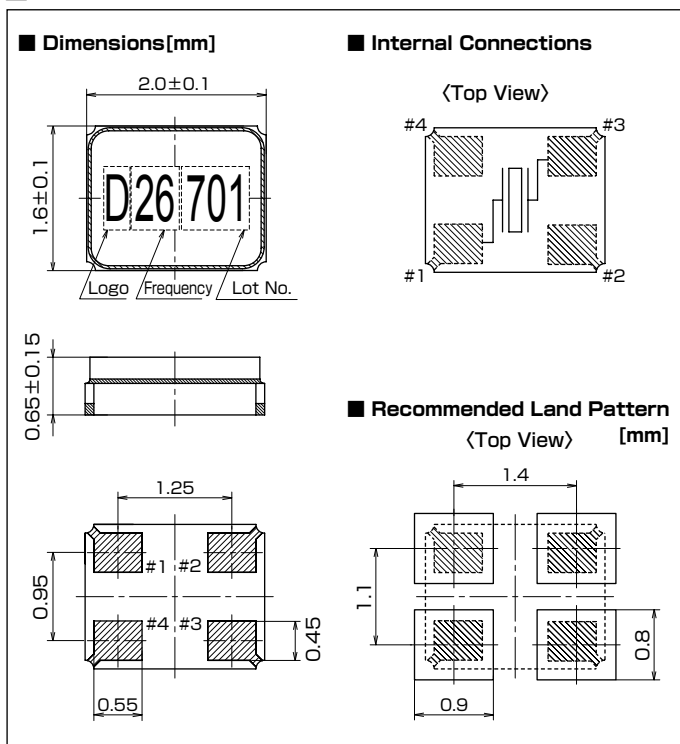
- Automotive radio applications such as bluetooth, wireless LAN, GPS, multimedia device and automotive camera

### ■ Standard Specification

Item	Type	DSX211G/DSX210G			
		20~24MHz	24~30MHz	30~36MHz	36~64MHz
Frequency Range		20~24MHz	24~30MHz	30~36MHz	36~64MHz
Overtone Order		Fundamental			
Load Capacitance		Series, 8pF, 10pF, 12pF			
Drive Level		10μW (100μW max.)			
Frequency Tolerance		±30×10 <sup>-6</sup> , ±50×10 <sup>-6</sup> , ±100×10 <sup>-6</sup> (at 25°C)			
Series Resistance (Inside Atmosphere: nitrogen)		250Ωmax.	200Ωmax.	150Ωmax.	100 Ωmax.
Series Resistance (Inside Atmosphere: vacuum)		200Ωmax.	150Ωmax.		80 Ωmax.
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)			
		±150×10 <sup>-6</sup> / -40~+150°C (Ref. to 25°C)			
Storage Temperature Range		-40~+150°C			
Reliability		AEC-Q200			
Packing Unit		3000pcs./reel(φ180)			
Standard Specification		Refer to page 32			

Consult our sales representative for other specifications.

### ■ DSX211G



### ■ DSX210G

