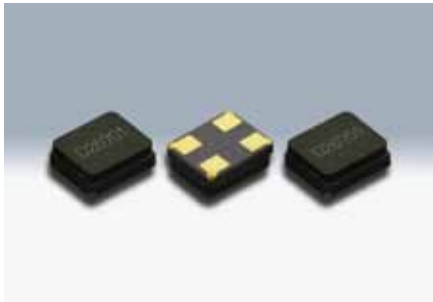


# SMD Crystal Resonators / MHz Band Crystal Resonators

## DSX211G



Actual size □

### ■ Features

- 2016 size miniature and lightweight SMD crystal resonator with a low profile of 0.65mm.
- High precision and high reliability
- Offers a wide frequency range from a comparatively low 20MHz up to 64MHz.
- ESR(Equivalent Series Resistance) available by adopting vacuum sealing which equals to that available on a crystal by adopting seam welding or alloy sealing.
- AEC-Q200 Compliant

### ■ Applications

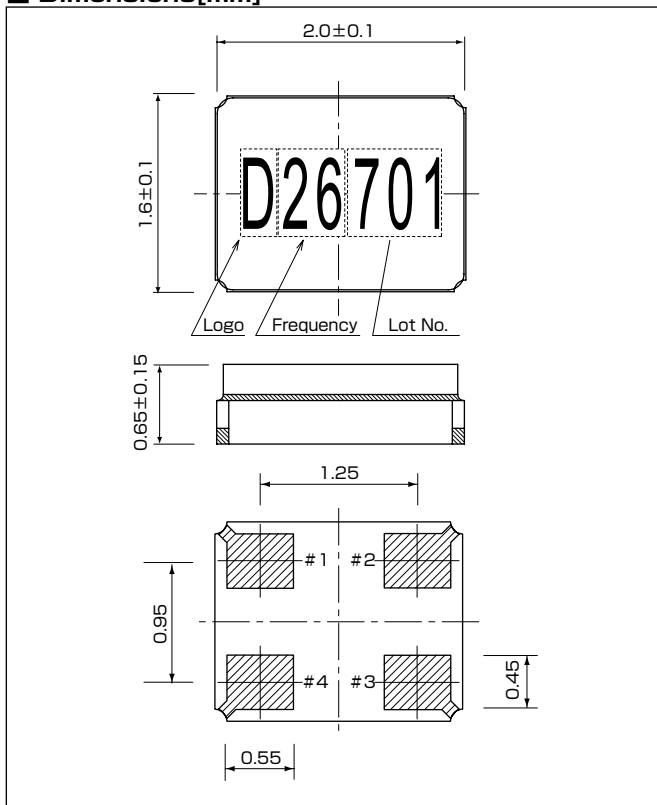
- Telecommunications products and other small devices such as DVC, DSC, PDA, PC, USB.
- Automotive applications such as multimedia device (AEC-Q200 Compliant).

### ■ Standard Specification

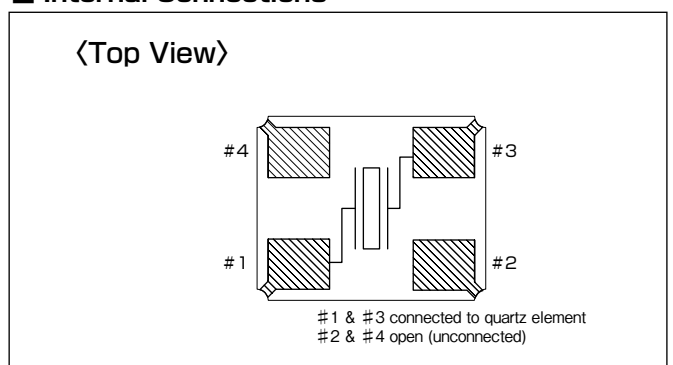
Item	Type	DSX211G			
		20 ~ 24MHz	24 ~ 30MHz	30 ~ 36MHz	36 ~ 64MHz
Frequency Range		20 ~ 24MHz	24 ~ 30MHz	30 ~ 36MHz	36 ~ 64MHz
Overtone Order		Fundamental			
Load Capacitance		Series, 8pF, 10pF, 12pF			
Drive Level		10μW (100μW max.)			
Frequency Tolerance		±10×10 <sup>-6</sup> , ±20×10 <sup>-6</sup> , ±30×10 <sup>-6</sup> , ±50×10 <sup>-6</sup> (at 25°C)			
Series Resistance(Inside Atmosphere:nitrogen)		200Ω max.	150Ω max.	120Ω max.	80Ω max.
Series Resistance(Inside Atmosphere:vacuum)		150Ω max.	100Ω max.		60Ω max.
Frequency Characteristics over Temperature		±8×10 <sup>-6</sup> , ±20×10 <sup>-6</sup> , ±30×10 <sup>-6</sup> , ±50×10 <sup>-6</sup> / -10 ~ +60°C (Ref. to 25°C)			
		±12×10 <sup>-6</sup> , ±20×10 <sup>-6</sup> , ±30×10 <sup>-6</sup> , ±50×10 <sup>-6</sup> / -20 ~ +70°C (Ref. to 25°C)			
		±15×10 <sup>-6</sup> , ±20×10 <sup>-6</sup> , ±30×10 <sup>-6</sup> , ±50×10 <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 32			

Consult our sales representative for other specifications.

### ■ Dimensions[mm]



### ■ Internal Connections



### ■ Recommended Land Pattern

[mm]

