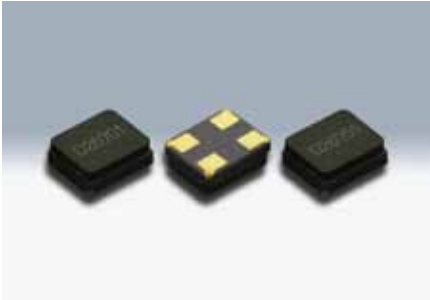


SMD Crystal Resonators / MHz Band Crystal Resonators

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 range of frequencies from 20MHz up to 64MHz.
- Utilizing vacuum glass sealing, lower ESR equivalent to that in alloy/seam weld sealing is optionally available.
- AEC-Q200 Compliant
- Frequency Characteristics over Temperature
 $\pm 50 \times 10^{-6}$ / -40 to $+105^\circ\text{C}$ is available for Industrial Equipment.



■ Applications

- Telecommunication products and other small devices such as DVC, DSC, PC, USB.
- Automotive applications such as multimedia devices (AEC-Q200 Compliant)
- Industrial equipment

■ Standard Specification

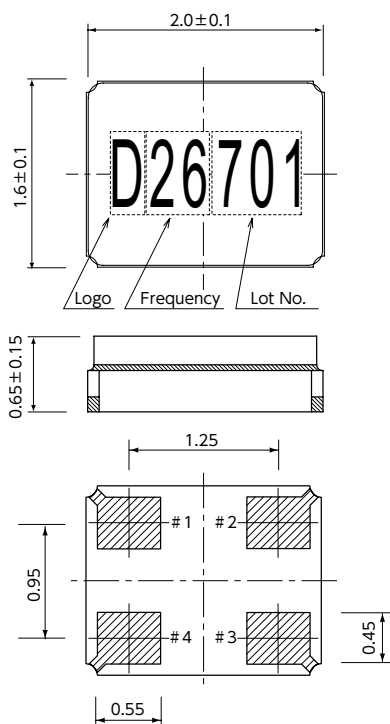
Item	Type	DSX211G			
		20 to 24MHz	24 to 30MHz	30 to 36MHz	36 to 64MHz
Frequency Range		20 to 24MHz	24 to 30MHz	30 to 36MHz	36 to 64MHz
Overtone Order		Fundamental			
Load Capacitance		8pF, 10pF, 12pF			
Drive Level		10 μW (100 μW max.)			
Frequency Tolerance		$\pm 20 \times 10^{-6}$ (at 25 $^\circ\text{C}$)			
Series Resistance(Inside Atmosphere:nitrogen)		200 Ω max.	150 Ω max.	120 Ω max.	80 Ω max.
Series Resistance(Inside Atmosphere:vacuum)		150 Ω max.	100 Ω max.		60 Ω max.
Frequency Characteristics over Temperature		$\pm 30 \times 10^{-6}$ / -30 to $+85^\circ\text{C}$ (Ref. to 25 $^\circ\text{C}$)			
Storage Temperature Range		-40 to $+85^\circ\text{C}$			
Packing Unit (1)		3000pcs./reel ($\phi 180$)			

(1) Moisture prevention packing is unnecessary.
Moisture Sensitivity Level:LEVEL1 (IPC/JEDEC J-STD-033)

Consult our sales representative for other specifications.

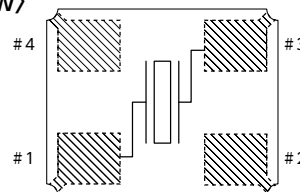
[mm]

■ Dimensions



■ Internal Connections

<Top View>



#1 & #3 connected to quartz element
#2 & #4 open (unconnected)

■ Recommended Land Pattern

<Top View>

