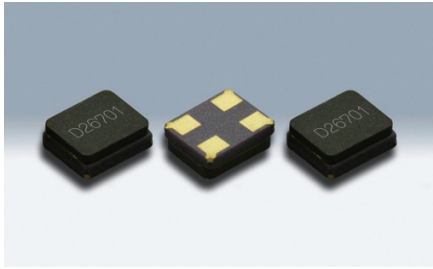
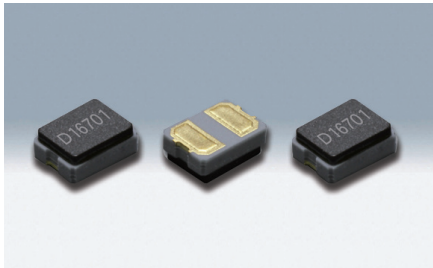


SMD Crystal Resonators / MHz Band Crystal Resonators (For Automotive)

DSX211G/DSX210GE



DSX211G



DSX210GE

Actual size

■ Features

- Miniature and lightweight SMD crystal resonator (height DSX211G 0.65mm / DSX210GE 0.85mm)
- Excellent heat resistance, High precision and high reliability
- Offers a wide range of frequencies from 16MHz to 64MHz
- Enhanced durability of solder joint for thermal cycles : after 3000 Thermal cycle tests $-40, +125^{\circ}\text{C}$ (DSX210GE)
- AEC-Q200 Compliant

■ Applications

- Automotive radio applications such as Bluetooth, wireless LAN, GPS/GNSS, multimedia devices and automotive camera
- ECU (engine, body work control), safety relations, car body controls, ABS, EPS (DSX210GE)

■ Standard Specification

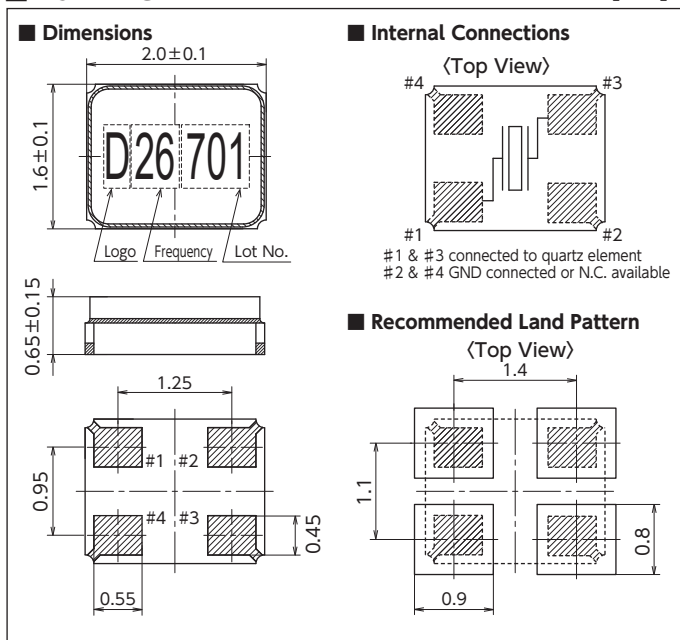
Item	Type	DSX210GE				
		DSX211G				
Frequency Range		16 to 20MHz	20 to 24MHz	24 to 30MHz	30 to 36MHz	36 to 64MHz
Overtone Order		Fundamental				
Load Capacitance		8pF, 10pF, 12pF				
Drive Level		10 μW (100 μW max.)				
Frequency Tolerance		$\pm 30 \times 10^{-6}$ (at 25 $^{\circ}\text{C}$)				
Series Resistance		400 Ω max.	200 Ω max.	150 Ω max.	120 Ω max.	80 Ω max.
Frequency Characteristics over Temperature		$\pm 100 \times 10^{-6} / -40$ to $+125^{\circ}\text{C}$ (Ref. to 25 $^{\circ}\text{C}$)				
Storage Temperature Range		-40 to $+150^{\circ}\text{C}$				
Reliability		AEC-Q200				
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.

■ DSX211G

[mm]



■ DSX210GE

[mm]

