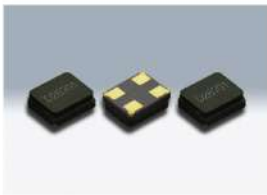


SMD Crystal Resonators / MHz Band Crystal Resonators (For Automotive)

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°C"(DSX210GE)
- Moisture prevention packing is unnecessary. Moisture Sensitivity Level:LEVEL1 (IPC/JEDEC J-STD-033)
- 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

Type	DSX210GE				
Item		DSX211G			
	16~20MHz	20~24MHz	24~30MHz	30~36MHz	36~64MHz
Frequency Range	16~20MHz	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 ⁻⁶ (at 25℃)				
Series Resistance (Inside Atmosphere:nitrogen)	400Ω max.	200Ω max.	150Ω max.	120Ω max.	80Ω max.
Series Resistance (Inside Atmosphere:vaccum)	300Ω max.	150Ω max.	100Ω max.		60Ω max.
Frequency Characteristics over Temperature	±100×10 ⁻⁶ /-40~+125℃ (Ref. to 25℃)				
Storage Temperature Range	-40~+150℃				
Reliability	AEC-Q200				
Packing Unit	3000pcs./reel(φ180)				

Consult our sales representative for other specifications.

■ DSX211G

[mm]

■ DSX210GE

[mm]

