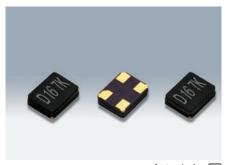


# SMD Crystal Resonators / MHz Band Crystal Resonators

## **DSX321G** (For Industrial Equipment)



Standard Specification

Actual size

### Features

3225 size miniature and lightweight SMD crystal resonator

Height DSX321G (over 12MHz): 0.75mm Height DSX321G (under 12MHz): 0.85mm



- Excellent heat resistance, High precision and high reliability (Frequency aging specification of  $\pm 1 \times 10^{-6}/1$  year or  $\pm 3 \times 10^{-6}/5$  years is available for cell phone or wireless communication systems etc.)
  Offers a wide range of frequencies from 7.9MHz up to 64MHz.
- Moisture prevention packing is unnecessary.
- Moisture Sensitivity Level: LEVEL1 (IPC/JEDEC J-STD-033)
- AEC-Q200 Compliant
- Fully lead free option available.



## Applications

- Industrial equipment
- Telecommunication products, short-range wireless modules and other small devices such as DVC, DSC, PDA, PC.
- Automotive applications such as Bluetooth, wireless LAN, GPS/GNSS,RKE (Remote Keyless Entry), safety controls and multimedia devices (AEC-Q200 Compliant)

#### Type **DSX321G** Frequency Range $7.9 \sim 9$ MHz $| \ 9 \sim 9.8$ MHz $| \ 9.8 \sim 1 \ 1$ MHz $| \ 11 \sim 12$ MHz $| \ 12 \sim 20$ MHz $| \ 20 \sim 27$ MHz $| \ 27 \sim 64$ MHz Overtone Order Fundamental Load Capacitance 8pF, 10pF, 12pF Drive Level $10\mu W$ (200 $\mu W$ max.) ±20×10<sup>-6</sup> (at 25℃) Frequency Tolerance $400\Omega$ max. $300\Omega$ max. $150\Omega$ max. $100\Omega$ max. $80\Omega$ max. Series Resistance $60\Omega$ max. 50Ω max. Frequency Characteristics over $\pm 5.0 \times 10^{-6}$ / $-40 \sim + 105 ^{\circ} \mathrm{C}$ (Ref. to 25 $^{\circ} \mathrm{C}$ )

Temperature -40 ~+105°C Storage Temperature Range

Packing Unit 3000pcs./reel (φ180)

Consult our sales representative for other specifications.

