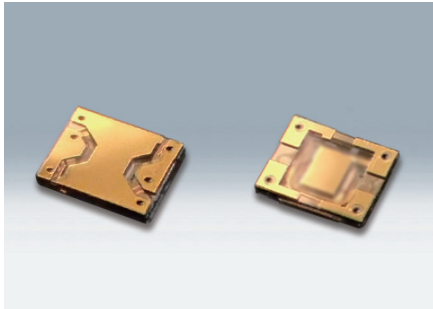




SMD Crystal Resonators / MHz Band Crystal Resonators

DX1008JS



Actual size

■ Features

- 1008 size, height 0.12mm
Unprecedented extremely low-profile package using a novel structure
- Composed only of quartz crystal plates and metallic films without the use of a ceramic base
- Long-term high resistance to aging, due to avoiding the use of an organic conductive adhesive
- Reduced risk of the inclusion of foreign matter due to assembly in a vacuum environment



■ Applications

- Mobile communications and short-range wireless modules
- Wearable devices
- Automotive multimedia devices

■ Standard Specification

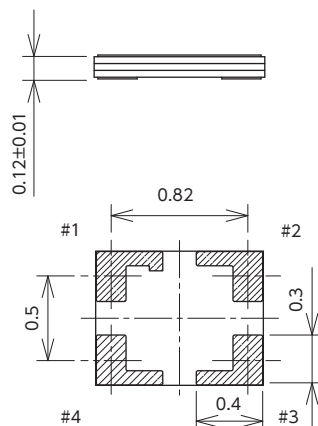
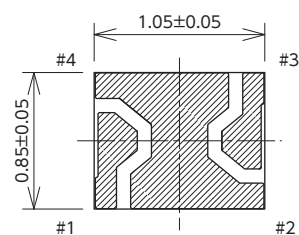
| Item \ Type | DX1008JS | | |
|--------------------------------------------|---------------------------------------------------|-------------|---------------------------------|
| Frequency Range | 48 to 52MHz | 52 to 96MHz | 96 to 120MHz |
| Overtone Order | Fundamental | | |
| Load Capacitance | 8pF, 10pF, 12pF | | |
| Drive Level | 10μW (100μW max.) | | |
| Frequency Tolerance | ±20×10 ⁻⁶ (at 25°C) | | ±100×10 ⁻⁶ (at 25°C) |
| Series Resistance | 100Ω max. | 60Ω max. | 40Ω max. |
| Frequency Characteristics over Temperature | ±30×10 ⁻⁶ / -30 to +85°C (Ref.To 25°C) | | |
| Storage Temperature Range | -40 to +85°C | | |
| Packing Unit (1) | 3000pcs./reel (φ180) | | |

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

Consult our sales representative for other specifications

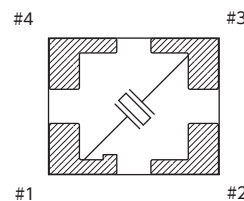
[mm]

■ Dimensions



■ Internal Connections

〈Top View〉



■ Recommended Land Pattern

〈Top View〉

