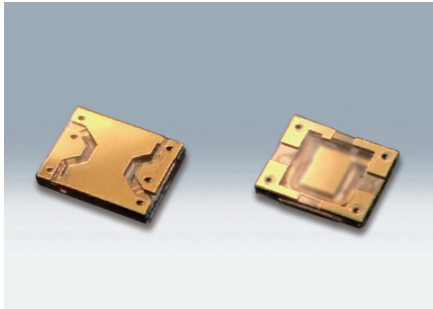


SMD Crystal Resonators / MHz Band Crystal Resonators

DX1008JS



Actual size □

■ Features

- 1008 size, height 0.13mm max.
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 millimeter-wave radar

■ Standard Specification

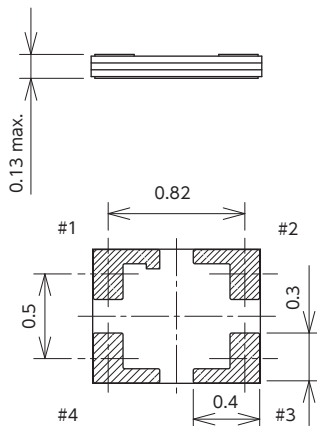
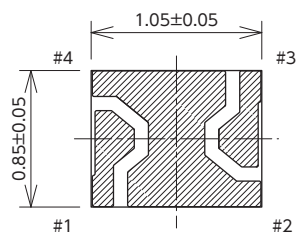
| Item | Type | DX1008JS | | |
|--|-----------|---|-------------------|---------------------------------|
| Frequency Range | | 48MHz | 52MHz/80MHz/96MHz | 120MHz |
| Overtone Order | | Fundamental | | |
| Load Capacitance | | 8pF, 10pF, 12pF | | |
| Drive Level | | 10μW (100μW max.) | | |
| Frequency 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 (φ 180) | | |

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

Consult our sales representative for other specifications

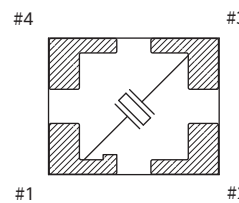
[mm]

■ Dimensions



■ Internal Connections

〈Top View〉



■ Recommended Land Pattern

〈Top View〉

