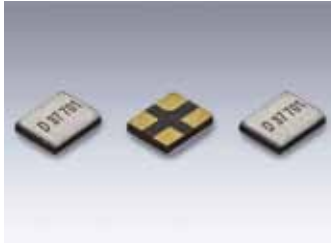


SMD Crystal Resonators / MHz Band Crystal Resonators

DSX1210A



Actual size □

■ Features

- 1210 size ultra miniature and lightweight SMD crystal resonator with a low profile of 0.3mm max.
- 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.)
- Allowing for high density surface mounting.

■ Applications

- Small mobile devices for next generation such as mobile communications, short-range wireless modules, digital AV equipment and PC.
- Wearable devices



■ Standard Specification

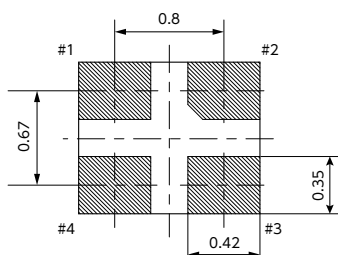
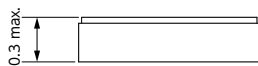
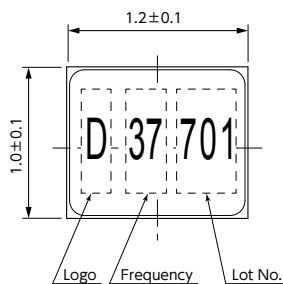
| Item | Type | DSX1210A | | | | | |
|--|------|---|---------------------------|------------------|------------------|-------|-------|
| | | 32MHz | 37.4MHz / 38.4MHz / 40MHz | 48MHz | 52MHz | 80MHz | 96MHz |
| Frequency Range | | 32MHz | 37.4MHz / 38.4MHz / 40MHz | 48MHz | 52MHz | 80MHz | 96MHz |
| Overtone Order | | Fundamental | | | | | |
| Load Capacitance | | 8pF, 10pF, 12pF | | | | | |
| Drive Level | | 10 μ W (100 μ W max.) | | | | | |
| Frequency Tolerance | | $\pm 20 \times 10^{-6}$ (at 25°C) | | | | | |
| Series Resistance | | 100 Ω max. | 60 Ω max. | 40 Ω max. | 30 Ω max. | | |
| Frequency Characteristics over Temperature | | $\pm 30 \times 10^{-6}$ / -30 to +85°C (Ref. To 25°C) | | | | | |
| Storage Temperature Range | | -40 to +85°C | | | | | |
| 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.

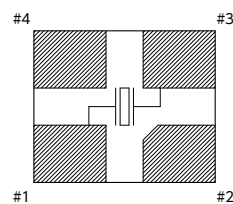
[mm]

■ Dimensions



■ Internal Connections

<Top View>



1 & # 3 connected to quartz element
2 & # 4 connected to the cover

■ Recommended Land Pattern

<Top View>

