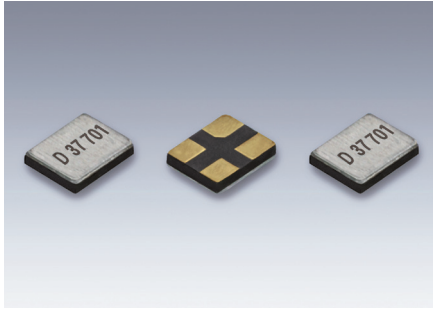


SMD Crystal Resonators / MHz Band Crystal Resonators (For Automotive)

DSX1210A



Actual size □

■ Features

- 1210 size ultra miniature and lightweight SMD crystal resonator with a low profile of 0.28mm
- 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.
- AEC-Q200 Compliant



■ Applications

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

■ Standard Specification

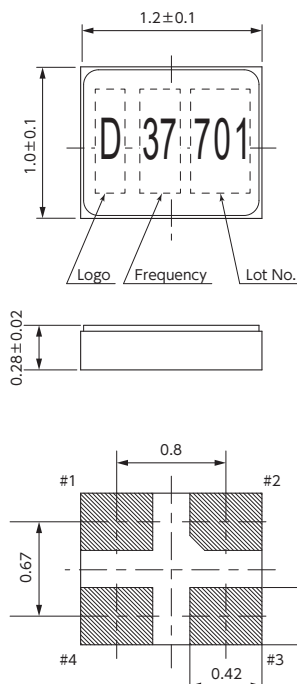
Item	Type	DSX1210A			
		32MHz	37.4MHz / 38.4MHz / 40MHz	48MHz/52MHz	76.8MHz/80MHz
Frequency Range		32MHz	37.4MHz / 38.4MHz / 40MHz	48MHz/52MHz	76.8MHz/80MHz
Overtone Order		Fundamental			
Load Capacitance		8pF, 10pF, 12pF			
Drive Level		10 μ W (100 μ W max.)			
Frequency Tolerance		$\pm 10 \times 10^{-6}$, $\pm 20 \times 10^{-6}$ (at 25°C)			
Series Resistance		100 Ω max.	60 Ω max.	40 Ω max.	30 Ω max.
Frequency Characteristics over Temperature		$\pm 30 \times 10^{-6}$ / -40 to +105°C (Ref. To 25°C)			
Storage Temperature Range		-40 to +125°C			
Reliability		AEC-Q200			
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.

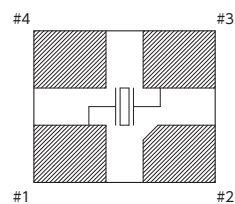
[mm]

■ Dimensions



■ Internal Connections

(Top View)



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

■ Recommended Land Pattern

(Top View)

