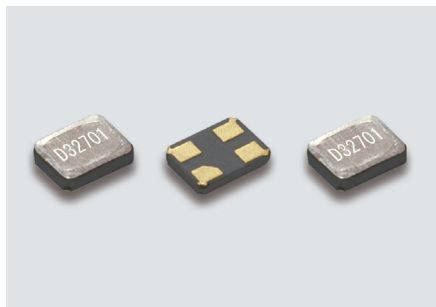


SMD Crystal Resonators / MHz Band Crystal Resonators (For Automotive)

DSX1612S



Actual size □

■ Features

- 1612 size ultra miniature and lightweight SMD crystal resonator with a low profile of 0.35 mm.
- 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

- Bluetooth, wireless LAN, GPS/GNSS and other automotive wireless, multimedia devices, etc.



■ Standard Specification

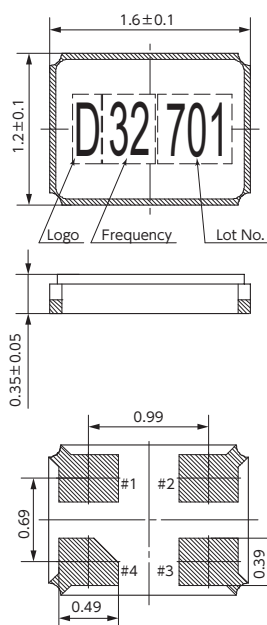
Item \ Type	DSX1612S		
Frequency Range	24 to 32MHz	32 to 40MHz	40 to 54MHz
Overtone Order	Fundamental		
Load Capacitance	8pF, 10pF, 12pF		
Drive Level	10μW (100μW max.)		
Frequency Tolerance	±10×10 ⁻⁶ , ±20×10 ⁻⁶ (at 25°C)		
Series Resistance	100Ω max.	50Ω max.	
Frequency Characteristics over Temperature	±30×10 ⁻⁶ / -40 to +125°C (Ref. To 25°C)		
Storage Temperature Range	-40 to +125°C		
Reliability	AEC-Q200		
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.

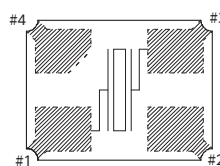
[mm]

■ Dimensions



■ Internal Connections

〈Top View〉



- # 1 & # 3 connected to quartz element
- # 2 connected to the cover
- # 4 open (unconnected)
- # 2 & # 4 recommended GND connection

■ Recommended Land Pattern

〈Top View〉

