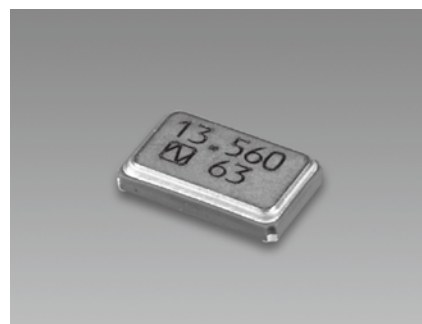


For Automotive

- Stable frequency characteristics even with a powerful centrifugal force of 2,000 G, as found in the transmission side of TPMS applications.
- Excellent environmental performance including heat, vibration, shock and heat cycle resistance.
- Lead-free. Meets the requirements for re-flow profiling using lead-free solder.
- Conforms to AEC-Q200.



RoHS Compliant
Directive 2011/65/EU
Directive (EU) 2015/863

Item	Model	NX5032SD	
Standard		Standard	Optional
Nominal Frequency (MHz)		9.75 to 40	9.75 to 40
Overtone Order		Fundamental	Fundamental
Frequency Tolerance (25 ±3 °C)		±15 × 10 ⁻⁶	±15 × 10 ⁻⁶
Frequency versus Temperature Characteristics (with reference to +25 °C)		±50 × 10 ⁻⁶	±50 × 10 ⁻⁶
Operating Temperature Range (°C)		-40 to +125	-40 to +125
Storage Temperature Range (°C)		-40 to +125	-40 to +125
Equivalent Series Resistance		Refer to *1	Refer to *1
Level of Drive (μW)		10 (Max. 100)	10 (Max. 100)
Load Capacitance (pF)		12	6 to 32
Ferquency Aging (+25 °C)		---	Max. ±3 × 10 ⁻⁶ / year *2
Specifications Number		STD-CSY-1	Refer to *3

S1-40125-50-15-10

4.9±0.1

3.1±0.1

0.90±0.10

R0.425

#1

#2

#3

#4

2.05±0.10

0.85

1.2

3.5±0.1

1.9

6.0

0.8

4.2

Terminal land connections (TOP VIEW) Cover

*#2 and #4 are connected with a cover. (Please connect with a GND.)

Land pattern (Recommended)

Nominal Frequency (MHz)	Equivalent Series Resistance Max. (Ω)
9.75 to 10	150
10 to 15	120
15 to 20	100
20 to 40	80

If you have any other requests, NDK will study it.