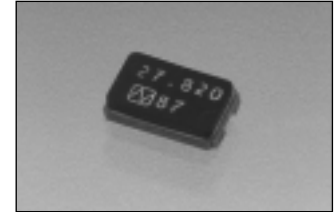


SURFACE MOUNT TYPE CRYSTAL UNITS / NX5032GA

This is ultra small surface mount type crystal unit.

■ Features

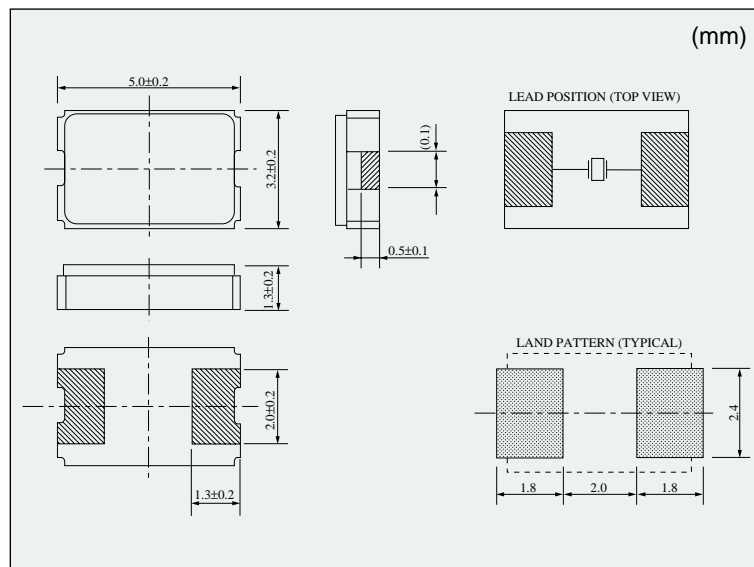
- Ultra compact and thin (5.0×3.2×1.3 mm).
- Excellent heat resistance and environmental characteristics.
- Taping package is for customer automatic loading operation.



■ Specification

Item	Type	NX5032GA
Frequency Range		13.5 MHz ~ 50 MHz
Overtone		Fundamental
Frequency Tolerance (25±3°C)		± 50 × 10 ⁻⁶
Temperature Characteristics (in reference to +25°C)		± 50 × 10 ⁻⁶
Operating Temperature Range		-10 ~ +70°C
Equivalent Series Resistance		4 See table 2
Drive Level		50 µW
Standard Load Capacitance		8pF
Operable Temperature Range		-40 ~ +85°C

■ Dimensions



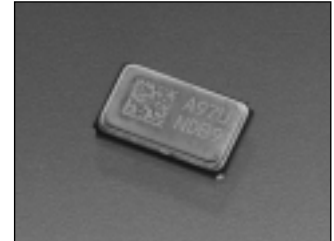
4 Table 2 Equivalent Series Resistance

Frequency Range (MHz)	Equivalent Series Resistance (Ω)
20 max	120 max
20 ~ 30	70 max
30 min	50 max

SURFACE MOUNT TYPE CRYSTAL UNITS / NX5032SA

Microminiature crystal unit developed for the PLL-based clock used in the mobile communications industry.

Small and thin surface mount type crystal unit with the same levels of temperature characteristics, environmental capability, and reliability as those of conventional surface mount type crystal units.



Features

- Standard Nominal Frequency for PLL-system are lined up (ex. GSM, PDC, CDMA, PHS, etc.).
- Ultra compact and thin.
- It is applicable to IR Reflow.
- Display of temperature characteristics is possible using a two-dimensional data code. (refer page 43)

Specification

Item	Type	NX5032SA	
Frequency Range		12.0 MHz ~ 26 MHz	
Overtone		Fundamental	
Frequency Tolerance (25±3°C)		± 10 × 10 ⁻⁶	
Temperature Characteristics (in reference to +25°C)		± 10 × 10 ⁻⁶	± 15 × 10 ⁻⁶
Operating Temperature Range		-20 ~ +75°C	-30 ~ +85°C
Equivalent Series Resistance		60 Ω max	
Drive Level		10 μW (100 μW max)	
Standard Load Capacitance		10pF	
Operable Temperature Range		-40 ~ +85°C	

Standard Frequency (MHz)

12.6	13	14.4	19.2	19.44	19.68	19.8	26
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Dimensions

