

## NX5032GA

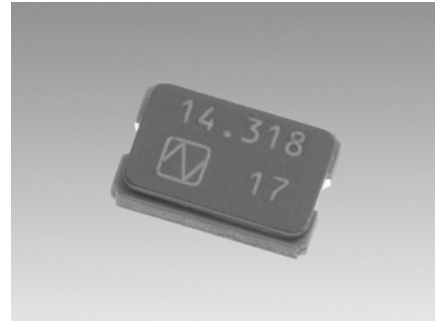
For OA / AV

### ■ Features

Ideal for OA/AV applications and Accessories for a car.

- Compact and thin. (5.0×3.2×1.3mm typ.)
- Supports low frequencies starting from 8 MHz.
- Excellent environmental characteristics, including heat and shock resistance.
- Meets the requirements for re-flow profiling using lead-free solder.

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



### ■ Specifications

Item	Model	NX5032GA					
		Standard			Optional		
Nominal Frequency (MHz)		$8 \leq F < 10.499$	$10.5 \leq F \leq 49.999$	$8 \leq F \leq 10.499$	$10.5 \leq F \leq 49.999$	$50 \leq F \leq 55$	$8 \leq F \leq 55$
Overtone Order		Fundamental				Fundamental	Fundamental
Frequency Tolerance (25 ±3 °C)		$\pm 30 \times 10^{-6}$		$\pm 20 \times 10^{-6}$		$\pm 20 \times 10^{-6}$	$\pm 20 \times 10^{-6}$
Frequency versus Temperature Characteristics (with reference to +25 °C)		$\pm 50 \times 10^{-6}$		$\pm 30 \times 10^{-6}$		$\pm 30 \times 10^{-6}$	$\pm 50 \times 10^{-6}$
Operating Temperature Range (°C)		-40 to +85		-10 to +70		-40 to +85	-40 to +85 *3
Storage Temperature Range (°C)		-40 to +125		-40 to +85		-40 to +85	-40 to +125
Equivalent Series Resistance		Refer to *1		Refer to *2		Refer to *1	Refer to *1 *2
Level of Drive (µW)		50 (Max. 500)					50 (Max. 500)
Load Capacitance (pF)		8					6 to 32
Frequency Aging (+25 °C)		---	---	---	---	---	Max. $\pm 10 \times 10^{-6}$ / year *3
Specifications Number		STD-CSK-7	STD-CSK-8	STD-CSK-3	STD-CSK-4	STD-CKW-3	Refer to *4

Please specify the model name, frequency, and specification number when you order products.

For further questions regarding specifications, please feel free to contact us.

\*3 If you have any other requests, NDK will study it.

\*4 Ordering information: Overtone Order Fundamental / 3rd Overtone, the Operating Temperature Range, Frequency versus Temperature Characteristics, Frequency Tolerance, and Load Capacitance.

Ex. Model, Frequency (24.000000MHz 6digits), S1: Fundamental or S3 : 3rd overtone

– Operating Temperature Range (-40 to +85°C) – Frequency versus Temperature Characteristics ( $\pm 50 \times 10^{-6}$ )

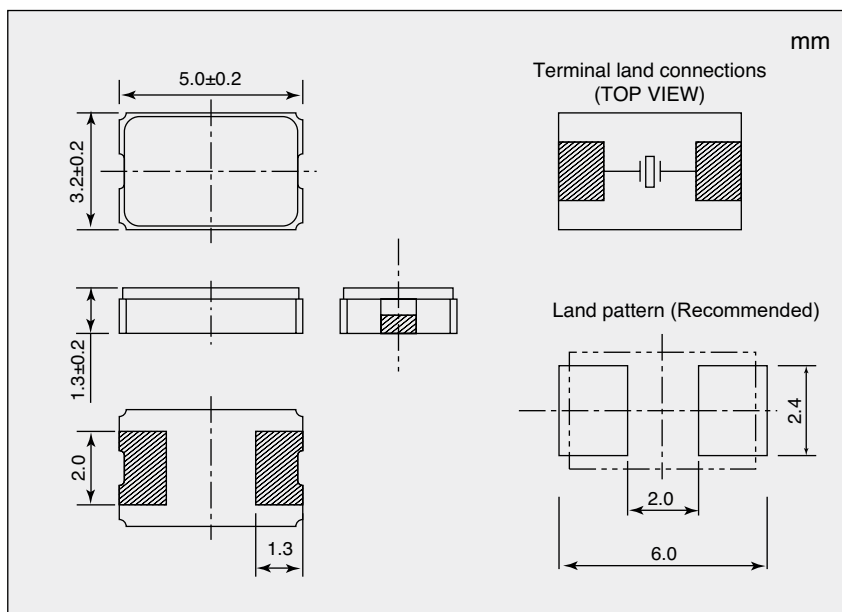
– Frequency Tolerance ( $\pm 20 \times 10^{-6}$ ) – Load Capacitance (10pF)

NX5032GA

24.000000MHz

S1-4085-50-20-10

### ■ Dimensions



#### \*1 Equivalent Series Resistance

Nominal Frequency (MHz)	Equivalent Series Resistance Max. (Ω)
$8 \leq F < 9.5$	300
$9.5 \leq F < 10$	150
$10 \leq F < 20$	120
$20 \leq F < 30$	70
$30 \leq F \leq 49.99$	50

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#### \*2 Equivalent Series Resistance

Nominal Frequency (MHz)	Equivalent Series Resistance Max. (Ω)
$8 \leq F < 9.5$	300
$9.5 \leq F < 15$	100
$15 \leq F \leq 55$	50

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