

## NX8045GB

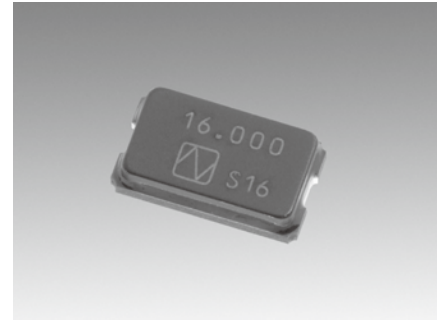
For Automotive

### ■ Features

A small surface-mount type crystal unit, ideal for Automotive.

Compatible with an engine control CPU clock delivering the high reliability that is particularly demanded.

- Stable start-up characteristic even under extremely severe environmental conditions.
- Excellent environmental characteristics, including heat, vibration and shock resistance.
- 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

### ■ Specifications

Item	Model	NX8045GB	
		Standard	Optional
Standard		Standard	Optional
Nominal Frequency (MHz)		$8 \leq F \leq 40$	$8 \leq F \leq 40$
Overtone Order		Fundamental	Fundamental
Frequency Tolerance (25 ±3 °C)		$\pm 50 \times 10^{-6}$	$\pm 50 \times 10^{-6}$
Frequency versus Temperature Characteristics (with reference to +25 °C)		$\pm 150 \times 10^{-6}$	$\pm 150 \times 10^{-6}$
Operating Temperature Range (°C)		-40 to +150	-40 to +150
Storage Temperature Range (°C)		-40 to +150	-40 to +150
Equivalent Series Resistance		Refer to *1	Refer to *1
Level of Drive (µW)		10 (Max. 500)	10 (Max. 500)
Load Capacitance (pF)		8	6 to 32
Frequency Aging (+25°C)		---	Max. $\pm 10 \times 10^{-6}$ / year *2
Specifications Number		STD-CSJ-1	Refer to *3

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

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

\*2 If you have any other requests, NDK will study it.

\*3 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

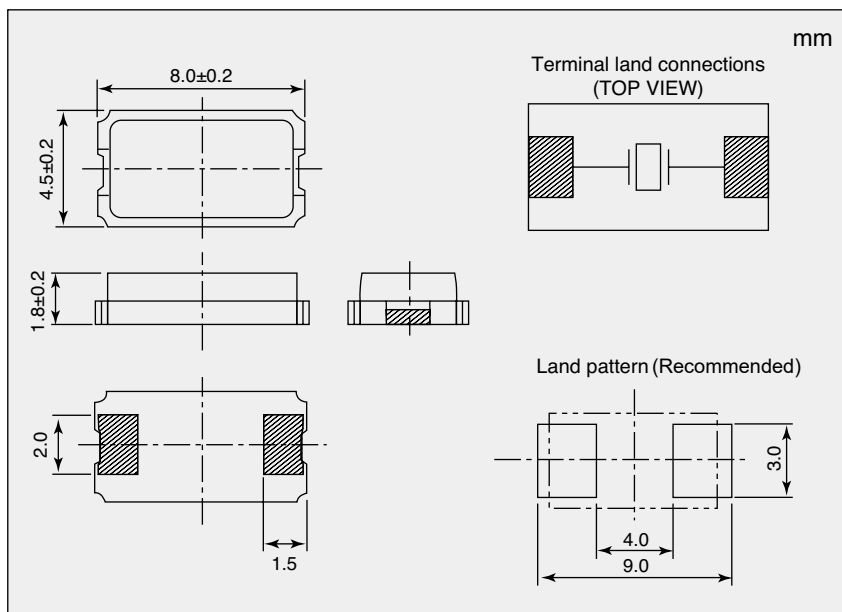
- Operating Temperature Range (-40 to +150°C) - Frequency versus Temperature Characteristics ( $\pm 150 \times 10^{-6}$ )
- Frequency Tolerance ( $\pm 50 \times 10^{-6}$ ) - Load Capacitance (10pF)

NX8045GB

24.000000MHz

S1-40150-150-50-10

### ■ Dimensions



\*1 Equivalent Series Resistance

Nominal Frequency (MHz)	Equivalent Series Resistance Max. (Ω)
$8 \leq F < 10$	220
$10 \leq F \leq 40$	150

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