

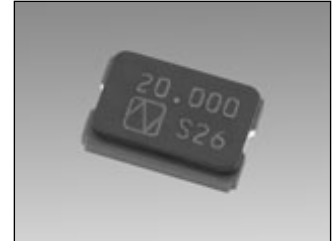
## For Automotive Electronics

### SURFACE MOUNT TYPE CRYSTAL UNITS / NX5032GA

This is ultra small surface mount type crystal unit for automotive electronics equipment.

#### ■ Features

- Compact and thin (5.0×3.2×1.3 mm typ.).
- This crystal unit exhibit stabilized startup characteristic even under extremely severe environmental conditions.
- This crystal unit is provided with superior environmental performance including heat resistance, vibration resistance, impact resistance, etc.
- Products that are lead-free. These can meet the requirements of re-flow profiling using lead-free solder.



#### ■ Specification

Item	Type	NX5032GA
Frequency Range		9.84375 ~ 40 MHz
Overtone		Fundamental
Frequency Tolerance (25±3°C)		± 50 × 10 <sup>-6</sup>
Temperature Characteristics (in reference to +25°C)		± 180 × 10 <sup>-6</sup>
Operating Temperature Range		-40 ~ +150°C
Equivalent Series Resistance		9.84375 ~ 12 MHz : 220 Ω max, 12 ~ 40MHz : 150 Ω max
Drive Level		10 μW (500 μW max)
Standard Load Capacitance		8pF
Operable Temperature Range		-40 ~ +150°C

#### Typical Frequency (MHz)

Fundamental	9.84375	10.0	12.0	13.560	15.0
	16.0	18.0	20.0	40.0	

#### ■ Dimensions

