

CRYSTAL UNITS

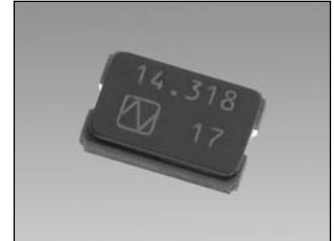
For OA•AV

SURFACE MOUNT TYPE CRYSTAL UNITS / NX5032GA • NX5032GB

Small surface mount type crystal oscillators are available that are suitable for OA/AV use. This crystal unit can meet requirement starting from a low frequency 8MHz.

Features

- Excellent electric performance optimum for OA (office automation) and AV (audio & visual) applications are exhibited.
- Products are lead-free. These can meet the requirements of re-flow profiling using lead-free solder.
- NX5032GA supports low frequency oscillation (from 8MHz up).
- NX5032GB supports low height mounting (product height: 1.0mm type).



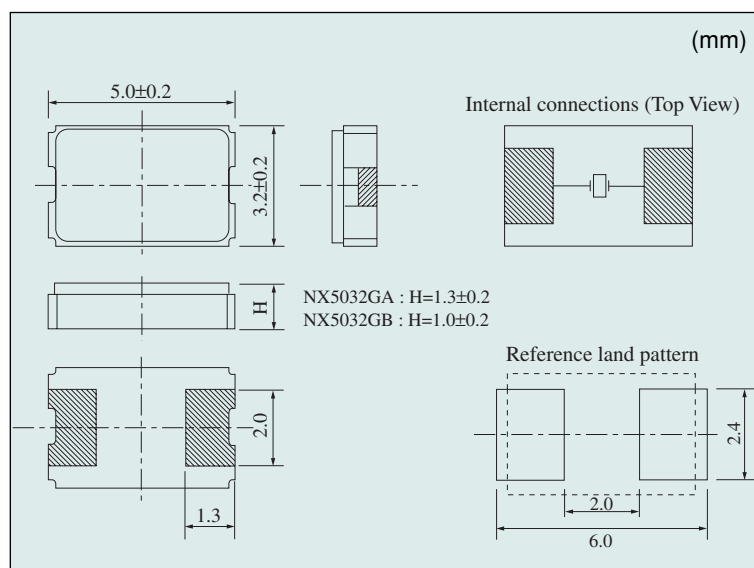
Specification

Item	Type	NX5032GA	NX5032GB
Frequency Range		8 ~ 55 MHz	12 ~ 55 MHz
Overtone		Fundamental	
Frequency Tolerance (25±3°C)		$\pm 30 \times 10^{-6}$, $\pm 50 \times 10^{-6}$	
Temperature Characteristics (in reference to +25°C)		$\pm 30 \times 10^{-6}$, $\pm 50 \times 10^{-6}$	
Operating Temperature Range		-10 ~ +70°C	
Equivalent Series Resistance		※ See table	
Drive Level		50 µW (500 µW max)	
Standard Load Capacitance		8pF	
Operable Temperature Range		-40 ~ +85°C	

Typical Frequency (MHz)

	9.84375	10.0	12.0	13.0	14.318	14.7456	16.0
Fundamental	16.934	17.734	18.0	18.432	20.0	22.0	24.0
	24.576	25.0	27.0	28.636	30.0	32.0	33.8688
	36.0	40.0	45.0	48.0	54.0		

Dimensions



※ Table Equivalent Series Resistance (Ω)

Frequency Range (MHz)	Equivalent Series Resistance (Ω)
8 ~ 9.5	300 max
9.5 ~ 10	150 max
10 ~ 20	120 max
20 ~ 30	70 max
30 ~ 55	50 max