

SURFACE MOUNT TYPE CRYSTAL UNITS / NX8045GB

These are de facto standard crystal unit optimum for audio, visual and office automation, meeting small-sized surface mounting.



Features

- Excellent electric performance optimum for OA (office automation) and AV (audio & visual) applications are exhibited.
- Excellent heat resistance and environmental characteristics.
- Products that are lead-free. These can meet the requirements of re-flow profiling using lead-free solder.

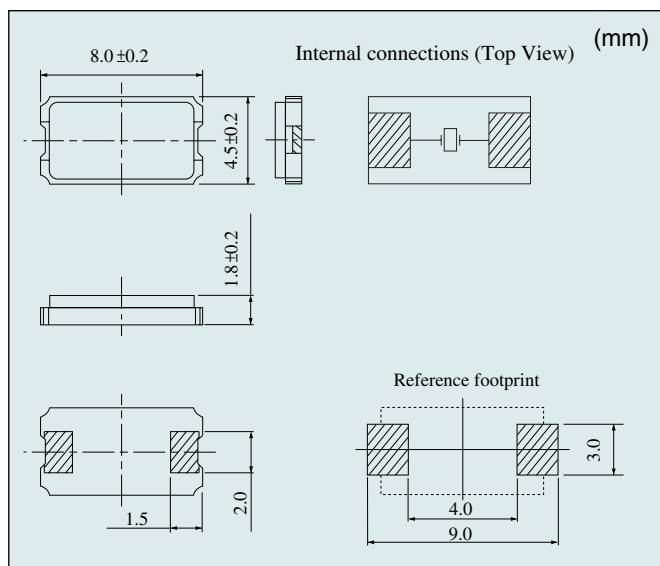
Specification

Item	Type	NX8045GB	
Frequency Range		8 ~ 40.5 MHz	
Overtone		Fundamental	
Frequency Tolerance (25±3°C)		± 30 × 10 ⁻⁶ , ± 50 × 10 ⁻⁶	
Temperature Characteristics (in reference to +25°C)		± 50 × 10 ⁻⁶	± 30 × 10 ⁻⁶ , ± 50 × 10 ⁻⁶
Operating Temperature Range		-40 ~ +85°C	-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)

Fundamental	8.0	9.84375	10.0	12.0	12.288	13.560	14.318182
	14.7456	15.0	16.0	16.9344	17.734475	18.0	18.432
	19.6608	20.0	22.1184	22.5792	24.0	24.576	25.0
	27.0	28.375	28.63636	30.0	32.0	32.768	33.8688
	36.0	36.864	38.0	40.0	40.5		

Dimensions



※ Table Equivalent Series Resistance (Ω)

Overtone	Frequency Range (MHz)	Equivalent Series Resistance (Ω)
Fundamental	8 ~ 10	200 max
	10 ~ 12	100 max
	12 ~ 13	80 max
	13 ~ 40.5	50 max