

## SURFACE MOUNT TYPE CRYSTAL UNITS / NX1255GC

This is crystal unit optimum for audio, visual and office automation applications, meeting the requirements, starting from a low frequency.



### Features

- As the NX1255GC is low-profile type, it is best for PDA applications.
- Excellent electric performance optimum for OA (office automation) and AV (audio & visual) applications are exhibited.
- Excellent heat resistance and environmental characteristics.
- An enriched assortment of frequencies are prepared from a low frequency 3.5MHz.
- Products that are lead-free. These can meet requirements of re-flow profiling using lead-free solder.

### Specification

Item	Type	NX1255GC			
		3.5 ~ 4 MHz	4 ~ 8 MHz	8 ~ 12 MHz	12 ~ 25 MHz
Frequency Range		3.5 ~ 4 MHz	4 ~ 8 MHz	8 ~ 12 MHz	12 ~ 25 MHz
Overtone		Fundamental			
Frequency Tolerance (25±3°C)		± 50 × 10 <sup>-6</sup>			
Temperature Characteristics (in reference to +25°C)		± 50 × 10 <sup>-6</sup>			
Operating Temperature Range		-10 ~ +70°C			
Equivalent Series Resistance		150 Ω max	120 Ω max	80 Ω max	50 Ω max
Drive Level		100 μW (500 μW max)			
Standard Load Capacitance		12pF			
Operable Temperature Range		-40 ~ +125°C			

### Typical Frequency (MHz)

Fundamental	3.579545	3.6864	4.0	4.194304	4.332	4.8	4.9152	5.0
	6.0	6.144	6.6128	7.2	7.3728	7.68	7.9488	8.0
	9.8304	10.0	10.26	11.0592	12.0	13.5	14.31818	15.0
	16.0	16.9344	17.7344	18.432	19.6608	20.0	24.0	24.576

### Dimensions

