

CRYSTAL UNITS

For Mobile Communication

SURFACE MOUNT TYPE CRYSTAL UNITS / NX5032SA

This is highly precise small-sized surface-mounted crystal unit optimum for applications in mobile communications.

Features

- Compact and thin ($5.0 \times 3.2 \times 0.75$ mm typ.).
- Standard Nominal Frequency for PLL-system are lined up (ex. GSM, PDC, CDMA, PHS, etc.).
- Excellent electrical characteristics and environmental performance for applications in mobile communications.
- Display of temperature characteristics is possible using a two-dimensional data code.
- Products that are lead-free. These can meet the requirements of re-flow profiling using lead-free solder.



Specification

Item	Type	NX5032SA	
Frequency Range		12 ~ 39 MHz	
Overtone		Fundamental	
Frequency Tolerance (25±3°C)		± 10 × 10 ⁻⁶	
Temperature Characteristics (in reference to +25°C)		± 10 × 10 ⁻⁶	± 15 × 10 ⁻⁶
Operating Temperature Range		-20 ~ +75°C	-30 ~ +85°C
Equivalent Series Resistance		40 Ω max	
Drive Level		10 μW (100 μW max)	
Standard Load Capacitance		10pF	
Operable Temperature Range		-40 ~ +85°C	

Typical Frequency (MHz)

Fundamental	12.0	12.6	12.8	13.0	14.4	15.36	15.6	16.0
	16.8	19.2	19.44	19.68	19.8	20.0	26.0	

Dimensions

