

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 × 3.2 × 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	12.2727	12.6	12.8	13.0	14.31818	14.4	14.7456
	15.36	15.6	16.0	16.367	16.368	16.384	16.8	19.2
	19.44	19.5	19.68	19.8	20.0	21.25	24	24.5535
	24.576	25	26.0	27	32.0	40.0	44.0	

Dimensions

