

For Mobile Communication

SURFACE MOUNT TYPE CRYSTAL UNITS / NX6035SA

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

■ Features

- Compact and thin ($6.0 \times 3.5 \times 1.0$ mm typ.).
- Standard Nominal Frequency for PLL-system are lined up.
- Excellent electrical characteristics and environmental performance for applications in mobile communications.
- Products are lead-free. These can meet the requirements of re-flow profiling using lead-free solder.



■ Specification

Item	Type	NX6035SA	
Frequency Range		10.368 ~ 39 MHz	
Overtone		Fundamental	
Frequency Tolerance (25±3°C)		$\pm 10 \times 10^{-6}$	
Temperature Characteristics (in reference to +25°C)		$\pm 10 \times 10^{-6}$	$\pm 15 \times 10^{-6}$
Operating Temperature Range		-20 ~ +75°C	-30 ~ +85°C
Equivalent Series Resistance		10.368 ~ 10.5 MHz : 60 Ω max, 10.5 ~ 12 MHz : 50 Ω max, 12 ~ 39 MHz : 40 Ω max	
Drive Level		10 μW (100 μW max)	
Standard Load Capacitance		12pF	
Operable Temperature Range		-40 ~ +85°C	

Typical Frequency (MHz)

	10.368	12.6	12.8	13.0	13.56	13.824	14.4
Fundamental	14.85	15.0	15.36	16.0	16.368	18.432	19.2
	19.44	19.68	19.8	20.0	21.25	26.0	

■ Dimensions

