

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

