

CRYSTAL OSCILLATORS

TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS NT5032S SERIES

Model NT5032SC

■ Main applications: Mobilephone

- Features
- Low power supply voltage. (Power supply voltage: +2.4VDC \pm 0.1V min)
 - Height 1.5mm max, volume 0.022cm³, weight 0.06g (light & small)
 - This is "with AFC" version
 - Surface mount type
(This is applicable to reflow soldering)

■ Specification

Item	Model	NT5032SC
Standard Nominal Frequency (MHz)		12.8 13 14.4 19.2 19.68 19.8 26
Supply Voltage		+3VDC
Load		10k Ω //10pF
Current Consumption		1.5mA max
Output Voltage		0.8V (Peak to Peak) min (DC superposed *1)
Frequency Stability		$\pm 2.5 \times 10^{-6}$ max
		-30~+75°C
Supply Volt Change		$\pm 0.3 \times 10^{-6}$ max/+3V \pm 5%
Aging		$\pm 1 \times 10^{-6}$ max/year
AFC Charact.		$\pm 9 \times 10^{-6}$ ~ $\pm 15 \times 10^{-6}$ /+1.5 \pm 1V *2

Note: Frequency adjustment condition

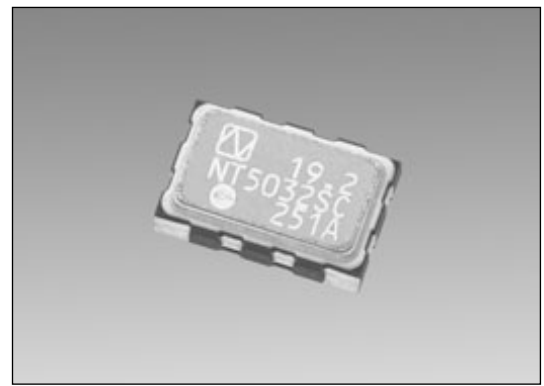
(1) Adjustment is conducted in room temperature (+25 \pm 2°C).

(2) For adjustment, oscillator is placed on the printed board which has earth pattern.

If you need NON-standing spec. for frequency., Supply Voltage & AFC charact etc, please contact us.

*1 DC-cut condensers are not built-in in this crystal oscillator. Insert a DC-cut condenser (1,000~10,000pF) in the output line as required.

*2 It is a typical specification. According to the frequency, there is possibility that the specification changes.



■ Dimensions

