Crystal Oscillator

Model Name NV5032SA Voltage-Controlled Crystal Oscillator (VCXO)

NDK
Crystal Bridge to the Future

■ Main Application

For communication equipment for WIMAX, etc.

■ Features

- A ceramics-package SMD.
- Output level: C-MOS level
- Ultra-compact and with excellent aging characteristics.
- Superb phase noise characteristics that are essential for WIMAX.

Pb Free

RoHS Compliant
Directive 2002/95/EC

■ Specifications

Item \ Model	NV5032SA
Power supply voltage (VCC)	+3.3V±10%
Standard nominal frequency (MHz)	52
Output level	C-MOS level
Load	15pF
Consumption current	10mA max.
Operating temperature range	−40 to +85°C
Comprehensive frequency stability	±50×10⁻⁶ max.
Frequency control characteristic	±100×10⁻⁶ min./+1.65±1.5V
Control polarity	Positive
Duty cycle	45 to 55% (1/2 VCC)
Specification No.	NSA3430A

Comprehensive frequency stability: $\pm 50 \times 10^{-6}$ max.

Frequency control characteristic: $\pm 100 \times 10^{-6}$ min./+1.65±1.5V

■ List of Ordering Codes

Frequency (MHz)	Ordering Code
52	NV5032SA-52M-NSA3430A

The above frequencies are NDK's standard frequencies.
Frequencies other than the above are available. Feel free to contact our sales representatives.

■ Dimensions

mm

PAD No.	Connection
#1	VCONT
#2	STAND-BY
#3	GND
#4	OUTPUT
#5	NC
#6	VCC