

# Crystal Oscillator

## Model Name NV7050SA

## Voltage-Controlled Crystal Oscillator (VCXO)

### Main Application

For communication equipment, ISDN, SDH, WIMAX, etc.

### Features

- A ceramics-package SMD.
- Output level: C-MOS level (2.048 to 80 MHz)  
PECL level (80 to 170 MHz)
- Supports high frequencies up to 170 MHz.



Pb Free

RoHS Compliant  
Directive 2002/95/EC

### Specifications

Item	Model	NV7050SA		
Power supply voltage (VCC)		+3.3V±10%		
Nominal frequency range (MHz)		2.048 to 40	40 to 80	80 to 170
Output level		C-MOS level		PECL level
Load		15pF		50Ω
Consumption current		10mA max	35mA max	85mA max
Operating temperature range		-40 to +85°C		
Comprehensive frequency stability		±50×10 <sup>-6</sup> max		
Frequency control characteristic		±100×10 <sup>-6</sup> min / +1.65±1.5V		
Control polarity		Positive		
Duty cycle		45 to 55% (1/2VCC)		45 to 55% (+2.0V)
Number for specifying an order		NSA3405A	NSA3406A	NSA3407A

### How to Specify an Order

When ordering our products, specify them with an "Ordering Code" that consists of the following:

Model name - 
 Frequency (up to 9 digits) 
 M - 
 Number for specifying an order
Example: NV7050SA-52M-NSA3406A

If you have any queries concerning our standard frequencies and numbers for specifying orders, please contact our sales representatives or visit our homepage (<http://www.ndk.com/>)

### Dimensions

