

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		
Nominal frequency range (MHz)	$2.048 \leq f \leq 40$	$40 < f \leq 80$	$80 < f \leq 170$
Power supply voltage [VCC] (V)	$+3.3 \pm 10\%$		
Current consumption (mA)	Max. 10	Max. 35	Max. 85
Output level	C-MOS level		PECL level (Complementary)
Duty cycle (%)	45 to 55 (1/2 VCC)		45 to 55 (VCC - 1.3 V)
Load	15 pF		50 Ω (VCC - 2.0 V)
Operating temperature range (°C)	-40 to +85		
Frequency stability	Max. $\pm 50 \times 10^{-6}$		
Frequency control characteristic	Min. $\pm 100 \times 10^{-6} / +1.65 \pm 1.5$ V		
Control polarity	Positive		
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

