

Crystal Clock Oscillator

2560 Series High Frequency-supporting Type

Model name

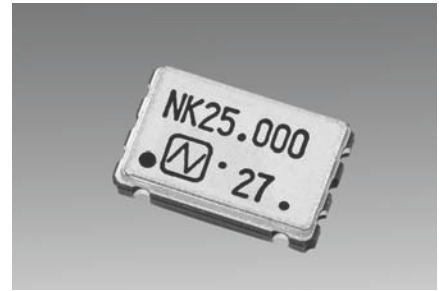
2560NK

Application

- For notebook PC, mobile information terminal, and PC card

Features

- This surface-mount crystal clock oscillator is ultra-compact, light, and leadless. Ideal for high-density mounting.
- Supports a frequency range of 1.8 to 80 MHz.
- Automatic mounting by taping and IR reflow (lead-free) are possible.
- Lead-free.



Pb Free

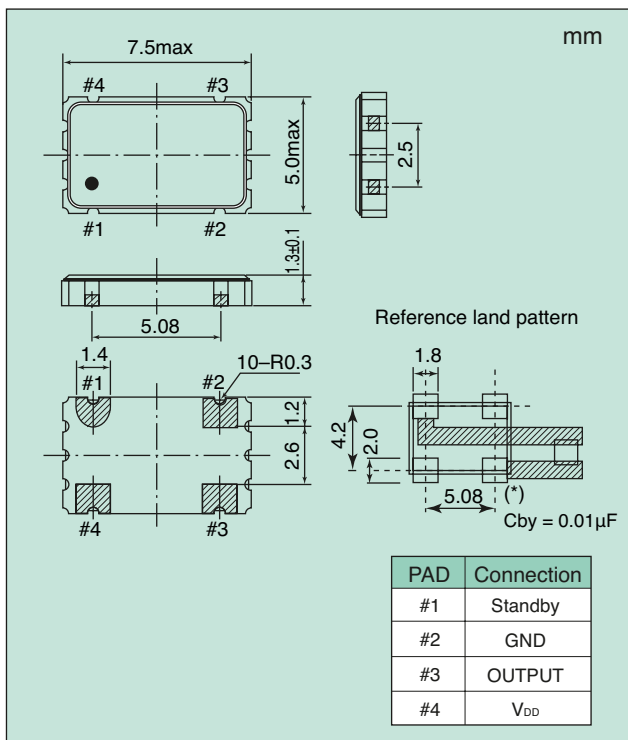
RoHS Compliant
Directive 2002/95/EC

Absolute maximum rating
Power supply voltage (V_{DD}) -0.5 to +7.0V DC
Storage temperature range -55 to +125°C

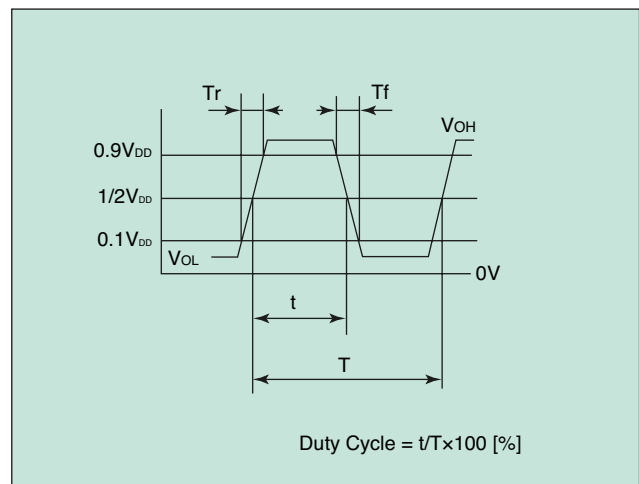
Specifications

Item	Model	2560NK			
Output level		C-MOS			
Frequency range	(MHz)	$1.8 \leq F \leq 25$	$25 < F \leq 50$	$50 < F \leq 67$	$67 < F \leq 80$
Operating temperature range	(°C)	-10 to +70			
Frequency stability	($\times 10^{-6}$)	± 100			
Power supply voltage	(V)	+5.0 \pm 0.5			
Consumption current (+3.3V, 25°C) max	(mA)	25	40	60	73
V_{OL} max/ V_{OH} min	(V)	0.1 V_{DD} /0.9 V_{DD} I_{OL} =16mA I_{OH} =-16mA			
T_r max/ T_f max	(ns)	5/5			
Duty Cycle min. to max.	(%)	45 to 55			
Load (C_L) max	(pF)	50			
Oscillation start time max		Available (tristate)			
Number for specifying an order		NSA3285A			

Dimensions



Output Waveform <C-MOS>



Standby Function

#1 Input	#3 Input
Level H (+2.2 V min.) or OPEN is selected.	Oscillation output ON
Level L (+0.8 V max.) is selected.	High impedance

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

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/>).

Example 1: When ordering a product with model name: 2560NK, frequency: 80 MHz, frequency stability: $\pm 100 \times 10^{-6}$, and power supply voltage: 5.0 V
Ordering Code: 2560NK - 80.000000M - NSA3285A