

Model name

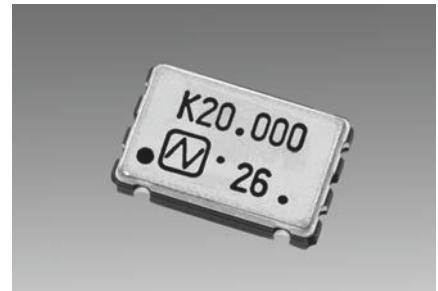
2570NK

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

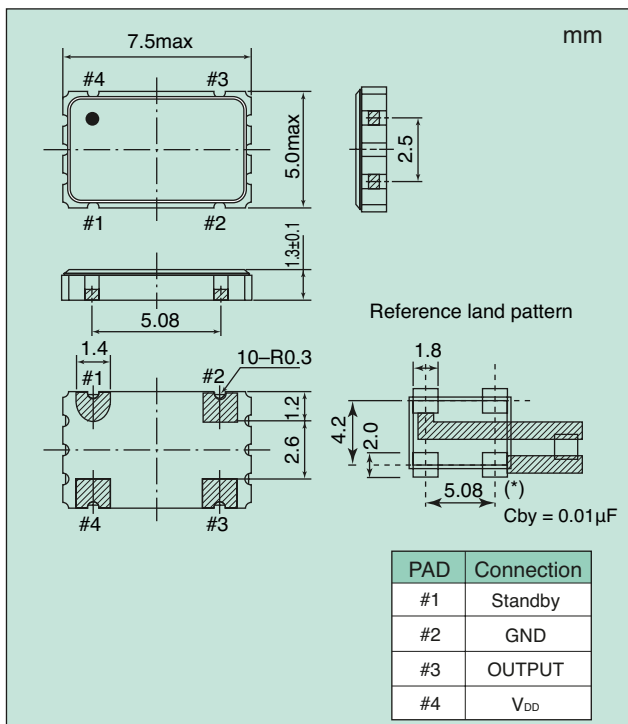
RoHS Compliant
Directive 2002/95/EC

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

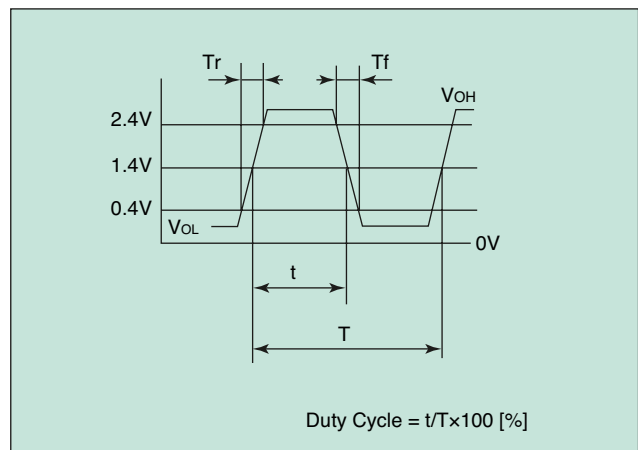
Specifications

Item	Model	2570NK	
Output level		TTL	
Frequency range	(MHz)	$1.8 \leq F \leq 32$	$32 < F \leq 50$
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)	22	26
V_{OL} max/ V_{OH} min	(V)	0.4V/2.4V $I_{OL}=16\text{mA}$ $I_{OH}=-4\text{mA}$	
T_r max/ T_f max	(ns)	5/5	
Duty Cycle min. to max.	(%)	45 to 55	
Load (C_L) max	TTL GATE	10	
Oscillation start time max		Available (tristate)	
Number for specifying an order		NSA3285B	

Dimensions



Output Waveform <TTL>



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: 2570NK, frequency: 20 MHz, frequency stability: $\pm 100 \times 10^{-6}$, and power supply voltage: 5.0 V
Ordering Code: 2570NK - 20.000000M - NSA3285B