

Crystal Clock Oscillator

2560 Series

Low Power Supply Voltage-driving Type

Model name

2560TK

Application

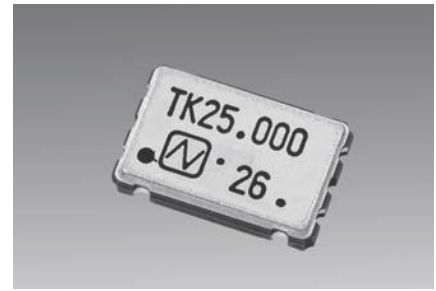
- For notebook PC, mobile information terminal, and PC card

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 67 MHz.
- Automatic mounting by taping and IR reflow (lead-free) are possible.
- Lead-free.

Pb Free

RoHS Compliant
Directive 2002/95/EC

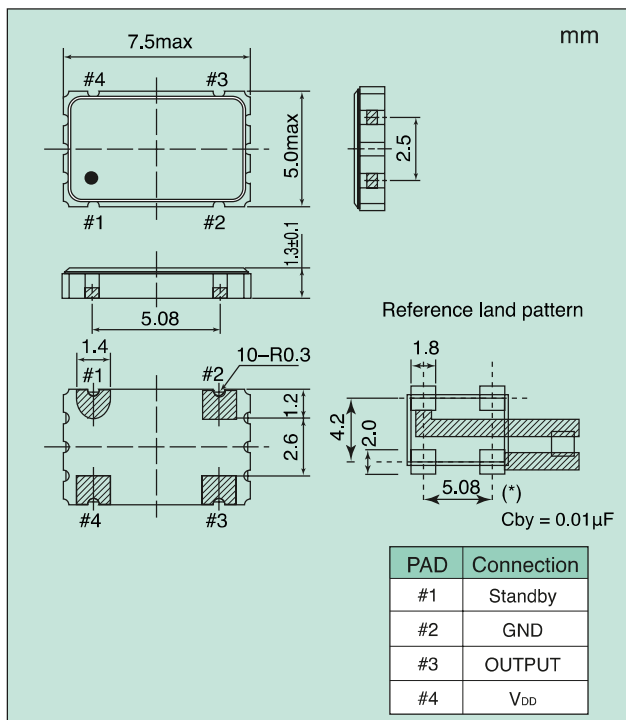


Absolute maximum rating
Power supply voltage (V_{DD}) -0.5 to +7.0V DC
Storage temperature range -55 to +125°C

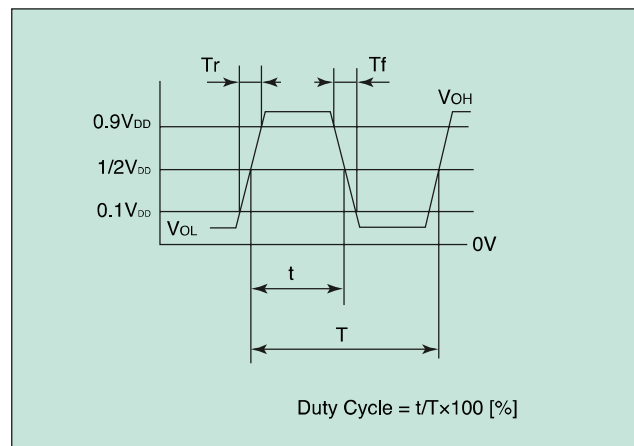
Specifications

Item	Model	2560TK		
Output level		C-MOS		
Frequency range	(MHz)	1.8 ≤ F ≤ 32	32 < F ≤ 50	50 ≤ F ≤ 67
Operating temperature range	(°C)	-10 to +70		
Frequency stability	(×10 ⁻⁶)	±100		
Power supply voltage	(V)	+3.3±0.3		
Consumption current (+3.3V, 25°C) max	(mA)	10	15	18
V _{OL} max/V _{OH} min	(V)	0.1V _{DD} /0.9V _{DD} I _{OL} =2mA I _{OH} =-2mA		
Tr max/Tf max	(ns)	6/6		
Duty Cycle min. to max.	(%)	45 to 55		
Load (C _L) max	(pF)	15		
Oscillation start time max		Available (tristate)		
Number for specifying an order		NSA3285C		

Dimensions



Output Waveform <C-MOS>



Standby Function

#1 Input	#3 Input
Level H (0.7 V _{DD} min.) or OPEN is selected.	Oscillation output ON
Level L (0.3 V _{DD} 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: 2560TK, frequency: 20 MHz, frequency stability: ±100 × 10⁻⁶ and power supply voltage: 3.3 V
Ordering Code: 2560TK - 20.000000M - NSA3285C