

Crystal Clock Oscillator

2765E Series

EMI Noise-reducing Type

Model name

2765E Frequency stability of $\pm 100 \times 10^{-6}$.

Application

- For compact mobile information equipment, such as PDA and notebook PC

Features

- With a spread spectrum function installed, this crystal oscillator effectively reduces EMI noise.
- With a standby function installed, power consumption is reduced.

Specifications



Pb Free

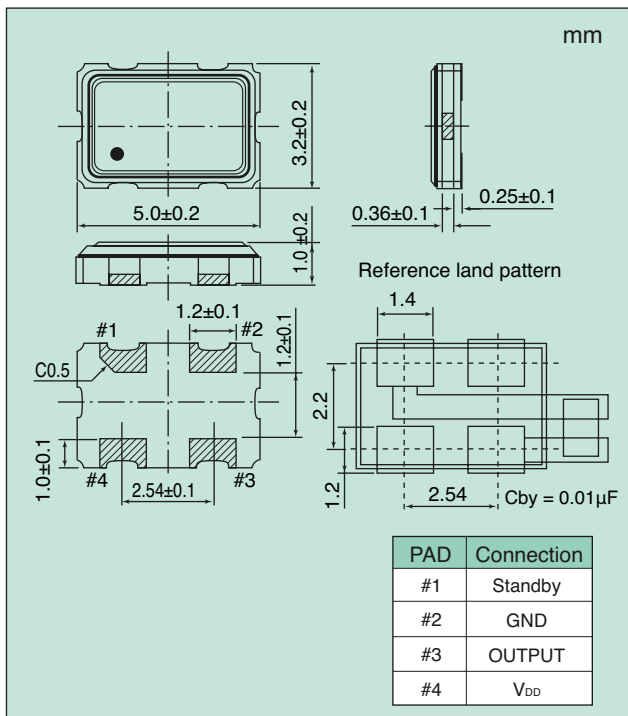
RoHS Compliant
Directive 2002/95/EC

Absolute maximum rating
Power supply voltage (V_{DD}) -0.5 to +4.0V DC
Storage temperature range -55 to +125°C

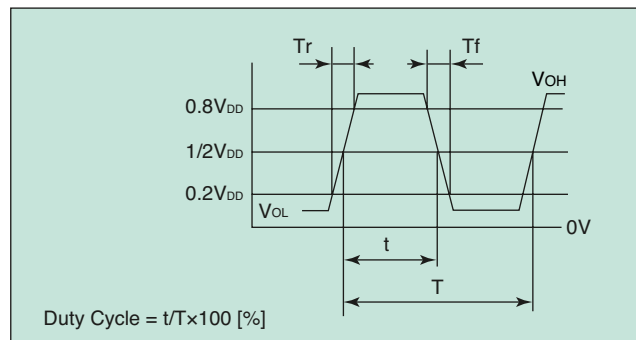
Item	Model	2765E	
Output level		C-MOS	
Frequency range ¹	(MHz)	$40 \leq F \leq 80$	
Operating temperature range ²	(°C)	-20 to +70	
Frequency stability	($\times 10^{-6}$)	± 100	
Power supply voltage	(V)	+3.3 \pm 0.3	
Consumption current	During operation	(mA)	30
	During standby	(μ A)	30
$V_{OL} \text{ max}/V_{OH} \text{ min}$	(V)	$0.2V_{DD}/0.8V_{DD}$ $I_{OL}=4\text{mA}$ $I_{OH}=-4\text{mA}$	
$T_r \text{ max}/T_f \text{ max}$	(ns)	5/5 ($0.2V_{DD}$ to $0.8V_{DD}$)	
Duty Cycle min. to max.	(%)	40 to 60 (at $1/2V_{DD}$)	
Load (C _L) max	(pF)	15	
Oscillation start time max	(ms)	10	
Standby function		Available (tristate)	
Number for specifying an order		NSA3393A	

¹: If you require a product with a frequency not given above, please contact us. ²: If you require a product with an operating temperature range not given above, please contact us.

Dimensions



Output Waveform <C-MOS>



Spread Spectrum Characteristics

Spreading Type	Spreading Ratio
Center spreading	$\pm 1.0\%$

Standby Function

#1 Input	#3 Output
Level H ($0.7 V_{DD} \leq V_{IH} \leq V_{DD}$) or OPEN is selected.	Oscillation output ON
Level L ($V_{IL} \leq 0.3 V_{DD}$) 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: 2765E, frequency: 40 MHz, frequency stability: $\pm 100 \times 10^{-6}$, and power supply voltage: 3.3 V
Ordering Code: 2765E - 40.000000M - NSA3393A

AMEYA360

Components Supply Platform

Authorized Distribution Brand :



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Welcome to visit www.ameya360.com

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