Crystal Clock Oscillator



2795 Series Two Frequencies-switching Type

Pb

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Model name

2795Y Frequency stability of ±50 x 10⁻⁶.

Application

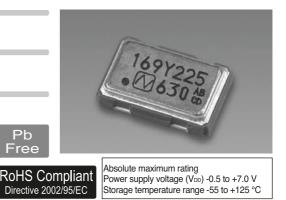
Specifications

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

Features

- With the adoption of frequency-writing technology, even the tightest delivery deadline can be met.
- Two frequencies: switch from one to the other according to the input voltage (high or low) of PAD #1.

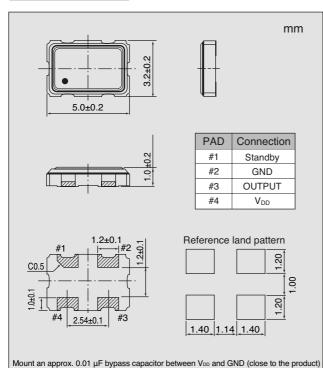
- PLL technology allows this crystal oscillator to support 1 to 125 MHz.
 Automatic mounting by taping and IR reflow (lead-free) are possible.
 Compact and light. Dimensions and weight: 5.0 x 3.2 mm, 1.0 mm, and 0.06 g.



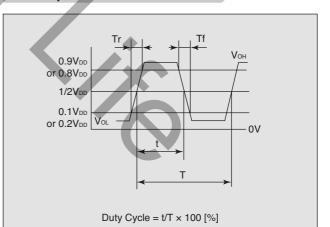
Item	Model	2795Y		
Output level		C-MOS		
Frequency range ^{*1}	(MHz)	1 ≤ F ≤ 40	40 < F ≤ 70	70 < F ≤ 125
Operating temperature range *2	(°C)	-10 to +70		
Frequency stability	(×10 ⁻⁶)	±50		
Power supply voltage [V _{DD}]	(V)	+3.3±0.3		
Current consumption (+3.3 V, 25 °C) max	(mA)	15	22	30
V _{OL} max/V _{OH} min	(V)	0.1 V _{DD} /0.9 V _{DD}		
Tr max/Tf max	(ns)	5/5 (0.1 V _{DD} to 0.9 V _{DD}) 3/3 (0.2 V _{DD} to 0.8 V _{DD})		3/3 (0.2 V _{DD} to 0.8 V _{DD})
Duty Cycle min. to max.	(%)	45 to 55 (at 1/2 V _{DD}) 40 to 60 (at 1/2 V _{DD})		
Load (CL) max	(pF)	15		
Oscillation start time max	(ms)		10	
Number for specifying an order		NSA5332B		

*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>



Two Frequencies-switching Function Table

#1 Input	#3 Input	
Level H (0.7 Voo min.) or OPEN is selected.	F1	
Level L (0.2 V_{DD} max.) is selected.	F2	

How to Specify an Order

When ordering our products, specify them with an "Ordering Code" that consists of the following: M – Frequency (up to 9 digits) M – Frequency (up to 9 digits) Number for Model name specifying an order

Example 1: When ordering a product with model name: 2795Y, frequency: 16.9 and 22.5 MHz, frequency stability: \pm 50 x 10⁻⁶, and power supply voltage: 3.3 V Ordering Code: 2795Y – 16.900000M – 22.500000M – NSA5332B

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/).