

## 2725 Series

## High-precision Type

### Model name

2725T Frequency stability of  $\pm 30 \times 10^{-6}$ .

### Application

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

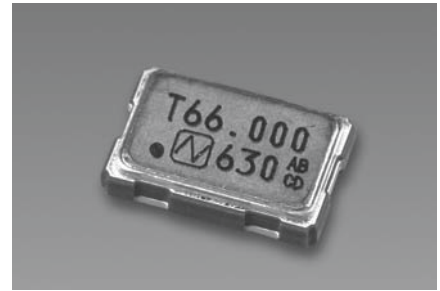
### Features

- High-precision type (Frequency stability of  $\pm 30 \times 10^{-6}$ )
- Supports a frequency range of 2.5 to 125 MHz.
- Automatic mounting by taping and IR reflow (lead-free) are possible.
- Lead-free.
- Compact and light with the following dimensions and weight of 5.0 x 3.2 mm, 1.0 mm, and 0.06 g.

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

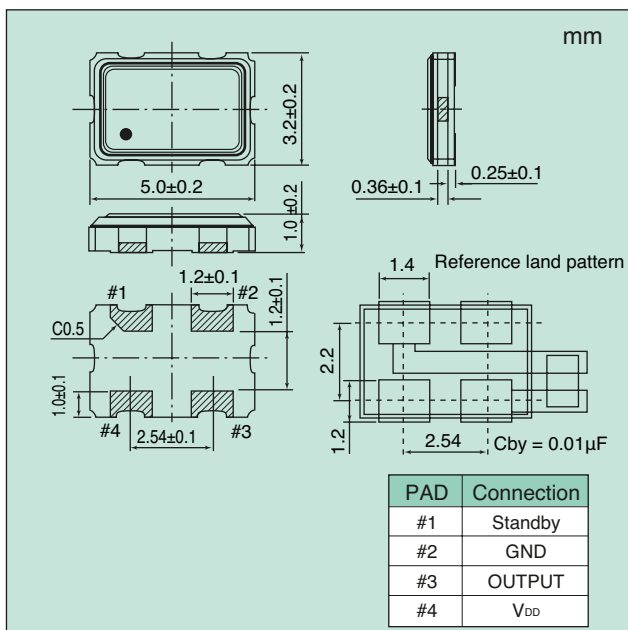


### Specifications

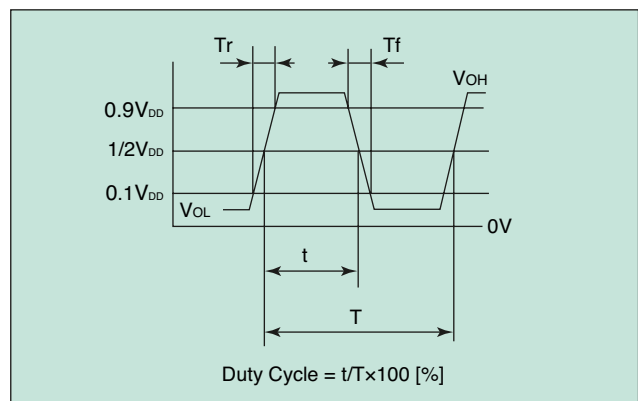
Item	Model	2725T			
Output level		C-MOS			
Frequency range <sup>1</sup>	(MHz)	$2.5 \leq F < 20$	$20 \leq F < 40$	$40 \leq F < 60$	$60 \leq F < 75$
Operating temperature range <sup>2</sup>	(°C)	-10 to +60			
Frequency stability	( $\times 10^{-6}$ )	$\pm 30$			
Power supply voltage	(V)	$+3.3 \pm 0.1$			
Consumption current (+3.3V, 25°C) max	During operation	8	15	22	25
	During standby	10			
$V_{OL}$ max/ $V_{OH}$ min	(V)	$0.1V_{DD}/0.9V_{DD}$ $I_{OL}=4mA$ $I_{OH}=-4mA$			
Tr max/Tf max	(ns)	5/5 (0.1V <sub>DD</sub> to 0.9V <sub>DD</sub> )			
Duty Cycle min. to max.	(%)	45 to 55 (at 1/2V <sub>DD</sub> )			
Load ( $C_L$ ) max	(pF)	15			
Oscillation start time max	(ms)	10			
Standby function		Available (tristate)			
Number for specifying an order		NSA6293C			

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

### Dimensions



### Output Waveform <C-MOS>



### Standby Function

#1 Input	#3 Output
Level H ( $0.7V_{DD} \leq V_{IH} \leq V_{DD}$ ) or OPEN is selected.	Oscillation output ON
Level L ( $V_{IL} \leq 0.3V_{DD}$ ) 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: 2725T, frequency: 20 MHz, frequency stability:  $\pm 30 \times 10^{-6}$ , and power supply voltage: 3.3 V  
Ordering Code: 2725T - 30.000000M - NSA6293C