

## 2725 Series High Frequency-supporting Type

### Model name

2725T Overall frequency tolerance of  $\pm 50 \times 10^{-6}$ .

### Application

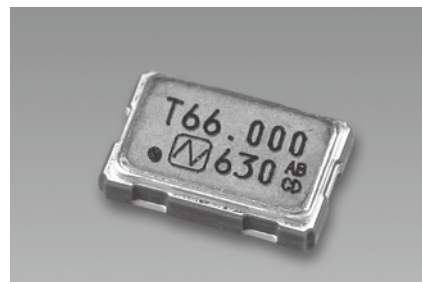
- For notebook PC, mobile information terminal, and PC card

### Features

- 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. Dimensions : 5.0 x 3.2 x 1.0 mm, weight : 0.06 g.

Pb  
Free

**RoHS Compliant**  
Directive 2011/65/EU



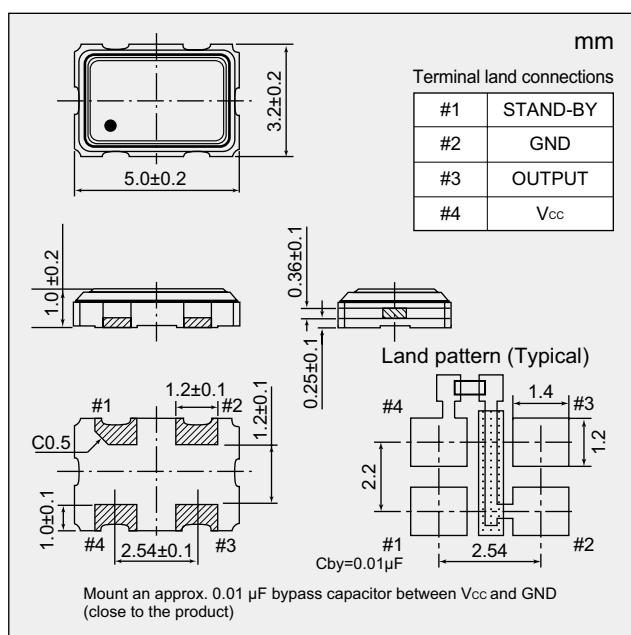
Absolute maximum rating  
Supply voltage ( $V_{CC}$ ) -0.5 to +7.0 V  
Storage temperature range -55 to +125 °C

### Specifications

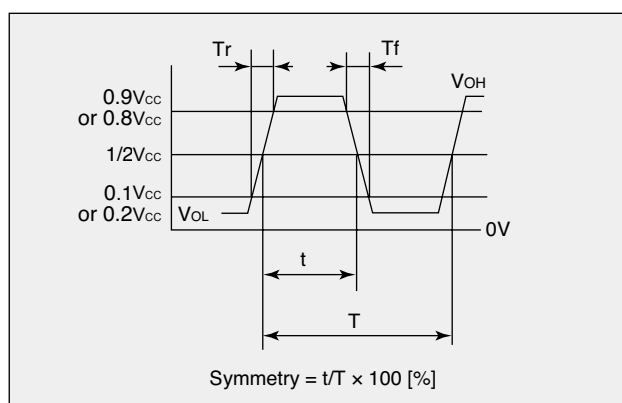
Item		Model	2725T						
Output level			CMOS						
Nominal frequency range <sup>*1</sup>		(MHz)	2.5 ≤ F < 20	20 ≤ F < 40	40 ≤ F < 60	60 ≤ F < 75	75 ≤ F < 100	100 ≤ F ≤ 125	
Operating temperature range <sup>*2</sup>		(°C)	-10 to +70						
Overall frequency tolerance		(×10 <sup>-6</sup> )	±50						
Supply voltage [V <sub>CC</sub> ]		(V)	+3.3±0.3						
Current consumption (+3.3 V, 25 °C) max	During operation	(mA)	8	15	22	25	35	40	
	During standby	(μA)	10						
V <sub>OL</sub> max/V <sub>OH</sub> min		(V)	0.1 V <sub>CC</sub> /0.9 V <sub>CC</sub>					0.2 V <sub>CC</sub> /0.8 V <sub>CC</sub>	
Tr max/Tf max		(ns)	5/5 (0.1 V <sub>CC</sub> to 0.9 V <sub>CC</sub> )					3/3 (0.2 V <sub>CC</sub> to 0.8 V <sub>CC</sub> )	
Symmetry min. to max.		(%)	45 to 55 (at 1/2 V <sub>CC</sub> )						
Load (C <sub>L</sub> ) max		(pF)	15						
Start-up time max		(ms)	4		10				
Standby function			Available (Three-state)						
Number for specifying an order			NSA6293B						

\*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 <CMOS>



### Standby Function

#1 Input	#3 Output
Level H ( $0.7 V_{CC} \leq V_{IH} \leq V_{CC}$ ) or OPEN is selected.	Oscillation output ON
Level L ( $V_{IL} \leq 0.3 V_{CC}$ ) is selected.	High impedance

### How to Specify an Order

When ordering our products, specify them with an "Ordering Code" that consists of the following: Example : When ordering a product with model name: 2725T, frequency: 125MHz, overall frequency tolerance:  $\pm 50 \times 10^{-6}$ , and supply voltage: 3.3 V  
 Ordering Code: 2725T - 125.000000M - NSA6293B

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/>).