

## 2725 Series

For wireless LAN

### Model name

2725T Overall frequency tolerance of  $\pm 25 \times 10^{-6}$ .

### Application

- For wireless LAN

### Features

- A high-precision type. Best suited for wireless LAN-compliant information terminal devices.
- 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



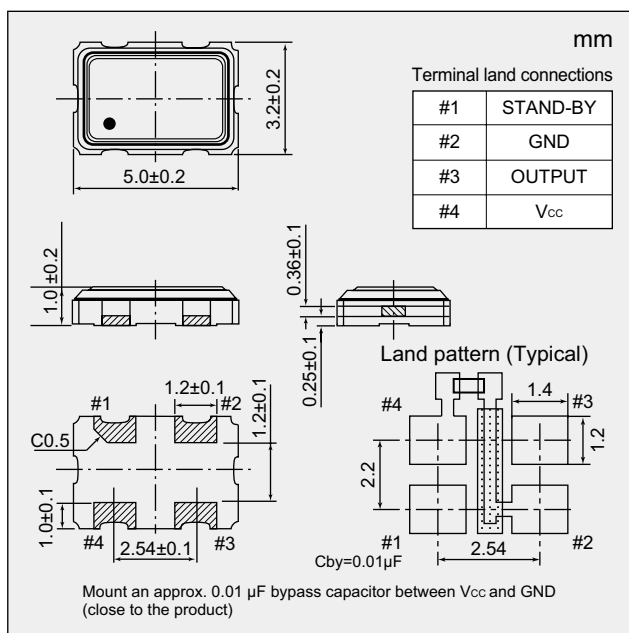
Absolute maximum rating  
Supply voltage ( $V_{CC}$ ) -0.5 to +7.0 V  
Storage temperature range -55 to +125 °C

### Specifications

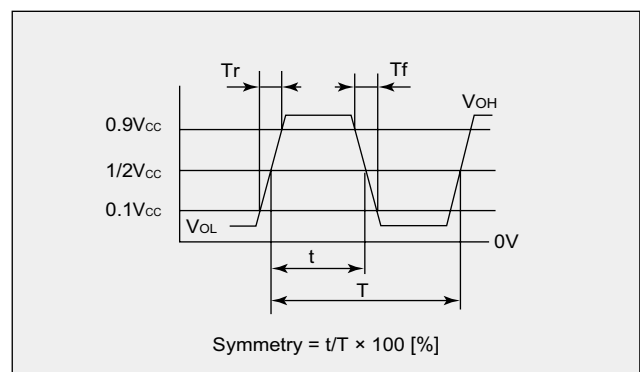
Item	Model	2725T		
Output level		CMOS		
Nominal frequency range <sup>*1</sup>	(MHz)	22	40	44
Operating temperature range <sup>*2</sup>	(°C)	-10 to +70		
Overall frequency tolerance	( $\times 10^{-6}$ )	$\pm 25$		
Supply voltage [ $V_{CC}$ ]	(V)	+3.3 $\pm$ 0.1		
Current consumption (+3.3 V, 25 °C) max	During operation	15	22	22
	During standby	10 $\mu$		6 m
$V_{OL}$ max/ $V_{OH}$ min	(V)	0.1 $V_{CC}$ / 0.9 $V_{CC}$		
$T_r$ max/ $T_f$ max	(ns)	5/5 (0.1 $V_{CC}$ to 0.9 $V_{CC}$ )		
Symmetry min. to max.	(%)	45 to 55 (at 1/2 $V_{CC}$ )		
Load ( $C_L$ ) max	(pF)	15		
Start-up time max	(ms)	4	10	
Standby function		Available (Three-state)		
Number for specifying an order		NSA6046A	NSA6045A	NSA6044A

\*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 (+0.3 $V_{CC}$ max) is selected. (22 MHz, 40 MHz)	High impedance
Level L (+0.15 $V_{CC}$ max) is selected. (44 MHz)	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: 40 MHz, overall frequency tolerance:  $\pm 25 \times 10^{-6}$ , and supply voltage: 3.3 V  
 Ordering Code: 2725T - 40.000000M - NSA6045A

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/>).