

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



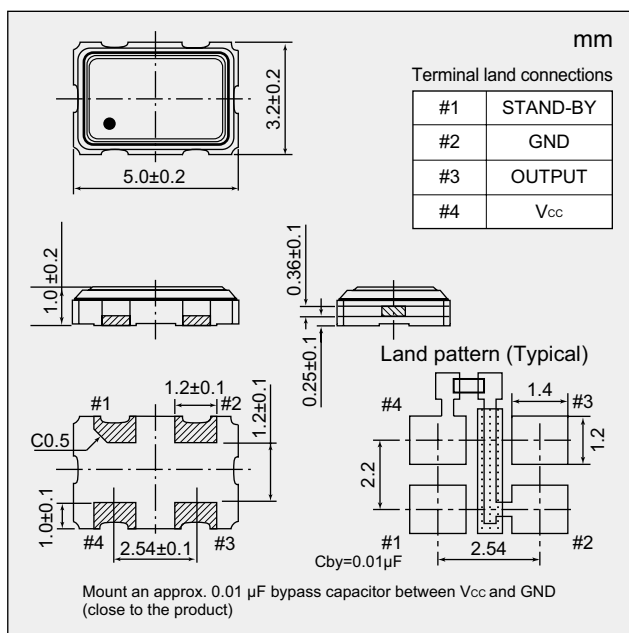
Absolute maximum rating
Supply voltage (V_{CC}) -0.5 to +7.0 V
Storage temperature range -55 to +125 °C

Specifications

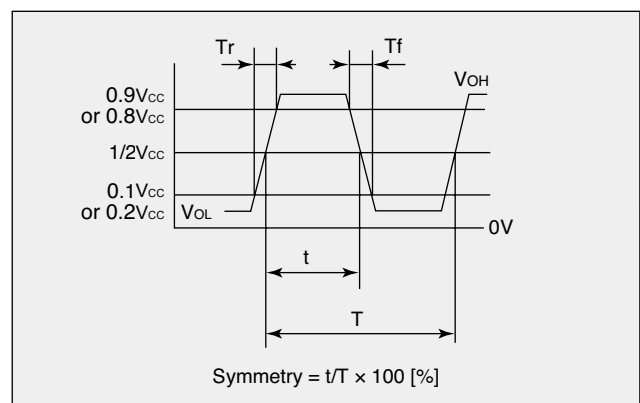
Item	Model	2725T								
Output level		CMOS								
Nominal frequency range *1	(MHz)	$2.5 \leq F < 20$	$20 \leq F < 40$	$40 \leq F < 60$	$60 \leq F < 75$	$75 \leq F < 100$	$100 \leq F \leq 125$			
Operating temperature range *2	(°C)	-10 to +70								
Overall frequency tolerance	($\times 10^{-6}$)	± 50								
Supply voltage [V_{CC}]	(V)	$+3.3 \pm 0.3$								
Current consumption (+3.3 V, 25 °C) max	During operation	(mA)	8	15	22	25	35	40		
	During standby	(μ A)	10							
$V_{OL} \text{ max}/V_{OH} \text{ min}$	(V)	$0.1 V_{CC}/0.9 V_{CC}$					$0.2 V_{CC}/0.8 V_{CC}$			
$T_r \text{ max}/T_f \text{ max}$	(ns)	$5/5 (0.1 V_{CC} \text{ to } 0.9 V_{CC})$					$3/3 (0.2 V_{CC} \text{ to } 0.8 V_{CC})$			
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		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/>).