

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

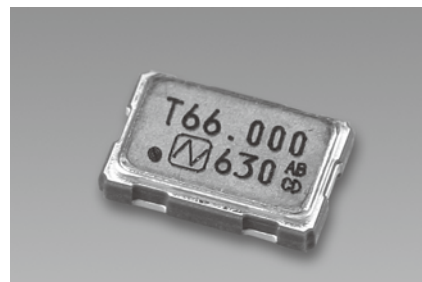
Features

- 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

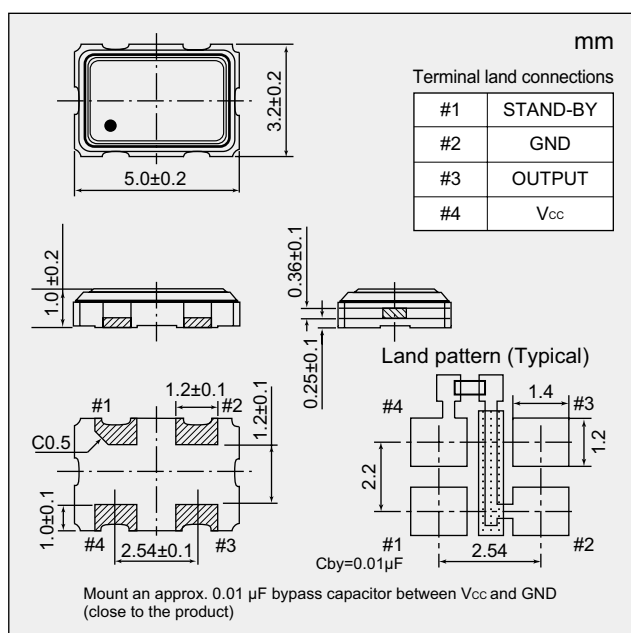


Specifications

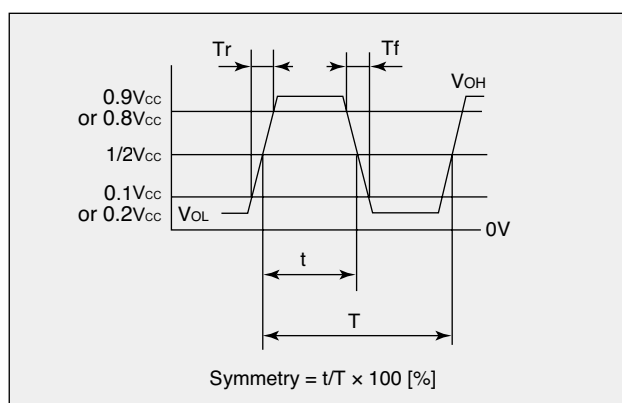
Item		Model	2725T							
Output level			CMOS							
Nominal frequency range ^{*1}		(MHz)	2.5 ≤ F < 20	20 ≤ F < 40	40 ≤ F < 60	60 ≤ F < 75	75 ≤ F < 100	100 ≤ F ≤ 125		
Operating temperature range ^{*2}		(°C)	-10 to +70							
Overall frequency tolerance		(×10 ⁻⁶)	±50							
Supply voltage [V _{CC}]		(V)	+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 _{OL} max/V _{OH} min		(V)	0.1 V _{CC} /0.9 V _{CC}					0.2 V _{CC} /0.8 V _{CC}		
Tr max/Tf max		(ns)	5/5 (0.1 V _{CC} to 0.9 V _{CC})					3/3 (0.2 V _{CC} 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/>).