

2735N Series

Model name

2735N Overall frequency tolerance of $\pm 100 \times 10^{-6}$.

Application

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

Features

- TTL IC is directly driven.
- Product height : 1.0 mm. This is equivalent to height of slim IC package(TSSOP, TVSOP).
- Supports a frequency range of 2.5 to 70 MHz.
- Current consumption during standby is 15 μ A or less. (Max. 40MHz)
- Automatic mounting by taping and IR reflow (lead-free) are possible.

Pb Free

RoHS Compliant
Directive 2011/65/EU



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

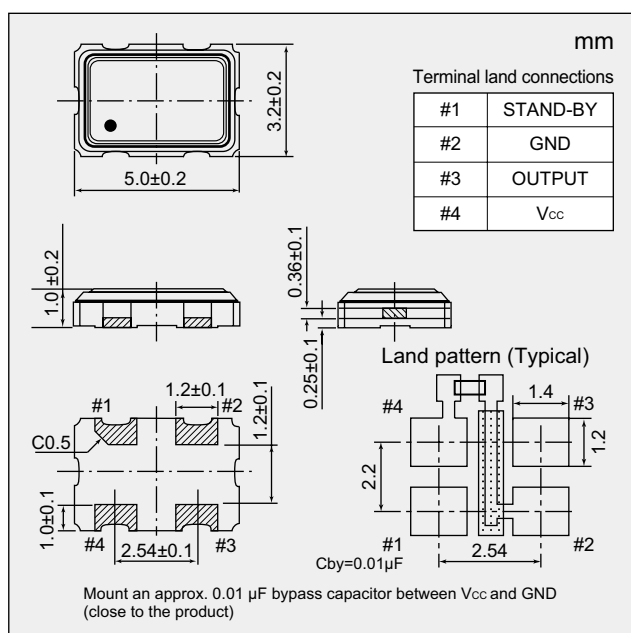
Specifications

Item		Model	2735N			
Output level			TTL			
Nominal frequency range ^{*1}		(MHz)	2.5 ≤ F < 20	20 ≤ F ≤ 40	40 < F < 60	60 ≤ F ≤ 70
Operating temperature range ^{*2}		(°C)	-20 to +70			
Overall frequency tolerance		(×10 ⁻⁶)	±100			
Supply voltage [V _{CC}]		(V)	+5±10%			
Current consumption (+5 V, 25 °C) max	During operation	(mA)	Max. 15	Max. 25	Max. 40	Max. 45
	During standby	(A)	Max. 15μ		Max. 25m	
V _{OL} max/V _{OH} min		(V)	0.4 V /2.4 V			
Tr max/Tf max		(ns)	5/5 (0.4 V to 2.4 V)			
Symmetry min. to max.		(%)	40 to 60 (at 1/4 V)			
Load (C _L) max		(pF)	5			
Start-up time max		(ms)	4		10	
Standby function			Available (Three-state)			
Number for specifying an order			NSA6295A			

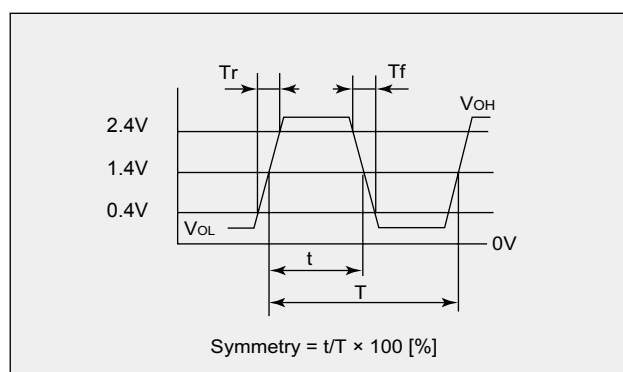
The values of Current Consumption, Tr/Tf, symmetry show the standard values at $C_L=15$ pF.

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 <TTL>



Standby Function

#1 Input	#3 Output
Level H ($3.5 \text{ V} \leq V_{IH} \leq V_{CC}$) or OPEN is selected.	Oscillation output ON
L level ($V_{IL} \leq 0.8 \text{ V}$) 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: 2735N, frequency: 40 MHz, overall frequency tolerance: $\pm 100 \times 10^{-6}$, and supply voltage: 5 V
Ordering Code: 2735N - 40.000000M - NSA6295A

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/>).