

Crystal Clock Oscillator

2735N Series

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

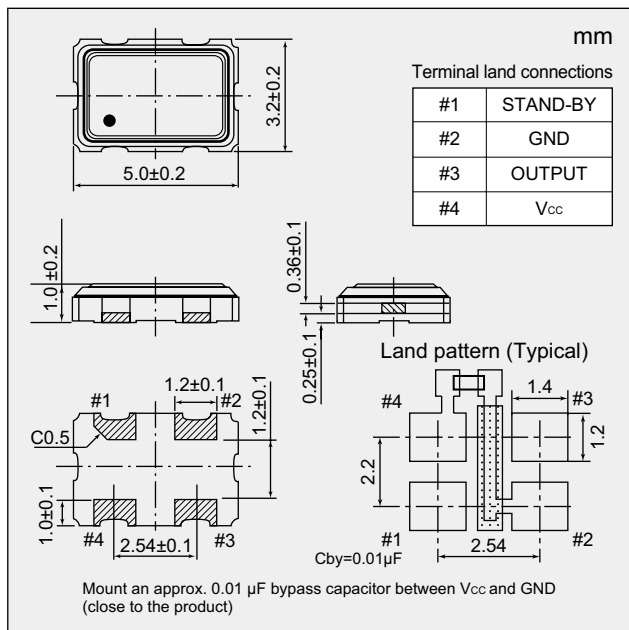
Absolute maximum rating
Supply Voltage (V_{CC}) -0.5 to +7.0 V
Storage Temperature range -55 to +125 °C

Specifications

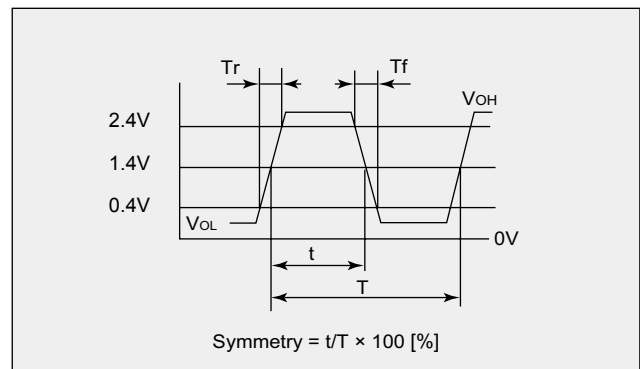
Item		Model	2735N				
Output Level			TTL				
Nominal Frequency Range		(MHz)	$2.5 \leq F < 20$	$20 \leq F < 40$	$40 \leq F < 60$	$60 \leq F \leq 70$	
Operating Temperature Range		(°C)	-20 to +70				
Overall Frequency Tolerance		($\times 10^{-6}$)	± 100				
Supply Voltage [V_{CC}]		(V)	$+5 \pm 10\%$				
Current Consumption Max.	During Operation	+25 °C	(mA)	Max. 15	Max. 25	Max. 40	Max. 45
	During Standby	+25 °C	(A)	Max. 15 μ		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)				
Specification Number			NSA6295A				

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

Dimensions



Output Waveform <TTL>



Standby Function

#1 Input	#3 Output
Level H ($3.5 V \leq V_{IH} \leq V_{CC}$) or OPEN is selected.	Oscillation output ON
L level ($V_{IL} \leq 0.8 V$) is selected.	High impedance

Please specify the model name, frequency, and specification number when you order products.
For further questions regarding specifications, please feel free to contact us.