

Crystal Clock Oscillator

2725N Series

Application

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

Features

- CMOS IC is directly driven.
- Product height : 1.0 mm. This is equivalent to height of slim IC package(TSSOP, TVSOP).
- 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

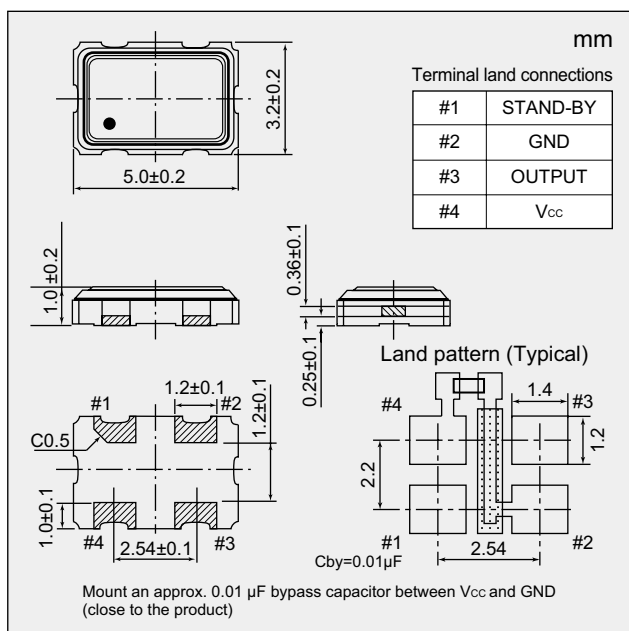
Absolute maximum rating
Supply Voltage (V_{CC}) -0.5 to +7.0 V
Storage Temperature Range -55 to +125 °C

Specifications

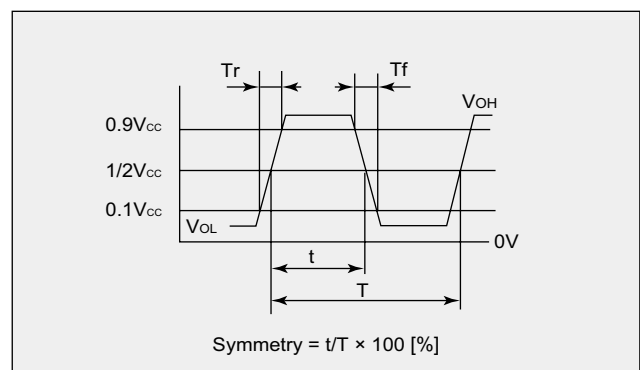
Item		Model	2725N				
Output Level			CMOS				
Nominal Frequency Range		(MHz)	$2.5 \leq F < 20$	$20 \leq F < 40$	$40 \leq F < 60$	$60 \leq F \leq 70$	
Operating Temperature Range		(°C)	-20 to +70				
Overall Frequency Tolerance		($\times 10^{-6}$)	± 100				
Supply Voltage [V_{CC}]		(V)	$+5 \pm 10\%$				
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)	$0.1 V_{CC} / 0.9 V_{CC}$				
T_r Max. / T_f Max.		(ns)	$5/5 (0.1 V_{CC} \text{ to } 0.9 V_{CC})$				
Symmetry Min. to Max.		(%)	40 to 60 (at $1/2 V_{CC}$)		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)				
Specification Number			NSA6294A				

The values of current consumption, T_r/T_f , symmetry show the standard values at $C_L=15$ pF.

Dimensions



Output Waveform <CMOS>



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

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