

Crystal Clock Oscillator

2725N

+5V Type

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
Directive (EU) 2015/863

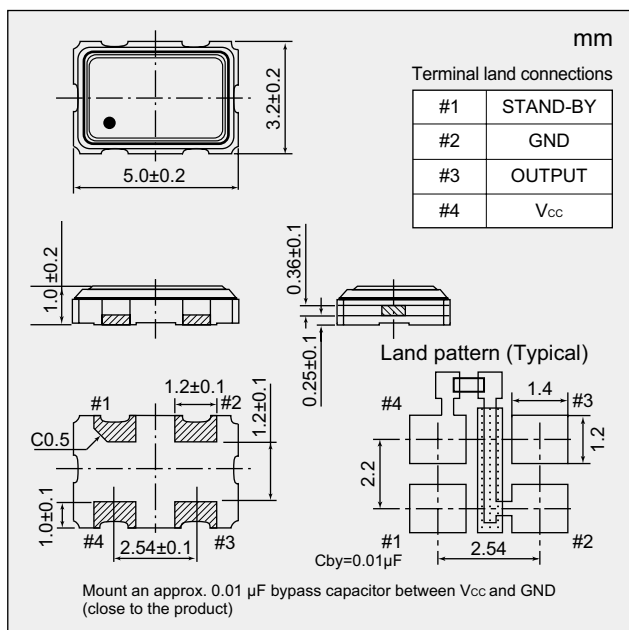
Absolute maximum rating
Supply Voltage (V_{CC}) -0.5 to +7.0 V
Storage Temperature Range -55 to +125 °C

Specifications

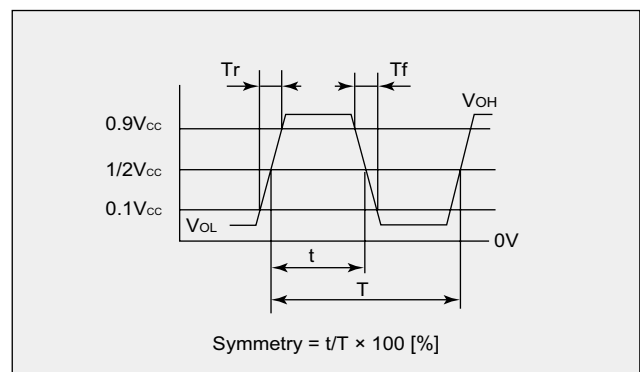
Item	Model	2725N		
Output Specification		CMOS		
Nominal Frequency Range	(MHz)	2.5 ≤ F ≤ 70		
Operating Temperature Range	(°C)	-20 to +70	-10 to +70	-10 to +60
Overall Frequency Tolerance	(×10 ⁻⁶)	±100	±50	±30
Supply Voltage [V _{CC}]	(V)	+5±10%		
Current Consumption Max.	During Operation	+25 °C	(mA)	Max. 15 (2.5 ≤ F < 20MHz) Max. 25 (20 ≤ F < 40MHz) Max. 40 (40 ≤ F < 60MHz) Max. 45 (60 ≤ F ≤ 70MHz)
	During Standby	+25 °C	(A)	Max. 15 μ A (2.5 ≤ F < 40MHz) Max. 25m (40 ≤ F ≤ 70MHz)
V _{OL} Max. / V _{OH} Min.	(V)	0.1 V _{CC} / 0.9 V _{CC}		
Tr Max. / Tf Max.	(ns)	5/5 (0.1 V _{CC} to 0.9 V _{CC})		
Symmetry Min. to Max.	(%)	40 to 60 at 1/2 V _{CC} (2.5 ≤ F < 40MHz) 45 to 55 at 1/2 V _{CC} (40 ≤ F ≤ 70MHz)		
Load (C _L) Max.	(pF)	15		
Start-up Time Max.	(ms)	4 (2.5 ≤ F < 40MHz) 10 (40 ≤ F ≤ 70MHz)		
Standby function		Available (Three-state)		
Specification Number		NSA6294A	NSA6294B	NSA6294C

The values of current consumption, Tr/Tf, symmetry show the standard values at CL=15pF.

Dimensions



Output Waveform <CMOS>



Standby Function

#1 Input	#3 Output
Level H (3.5 V ≤ V _{IH} ≤ V _{CC}) or OPEN is selected.	Oscillation output ON
L level (V _{IL} ≤ 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.