

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



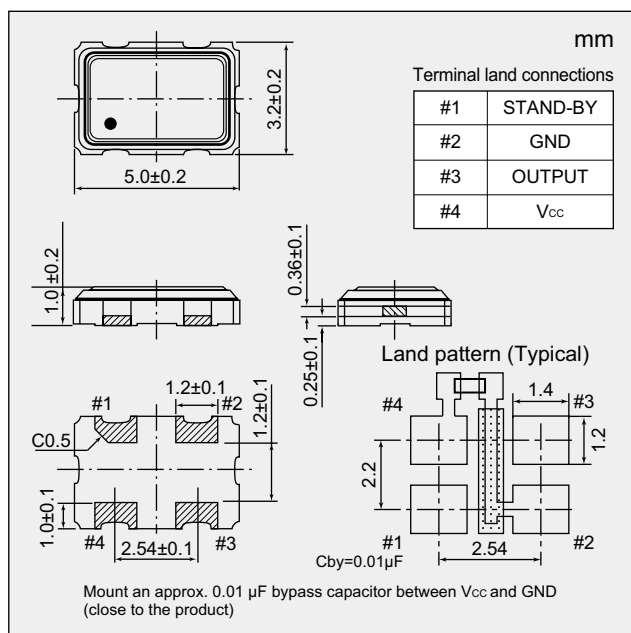
Absolute maximum rating
Supply Voltage (V_{CC}) -0.5 to +7.0 V
Storage Temperature Range -55 to +125 °C

■ Specifications

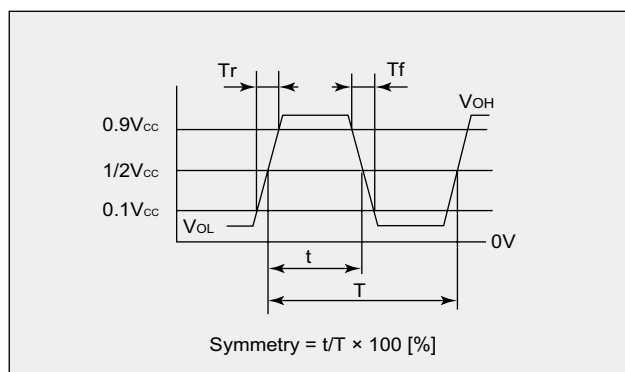
Item			Model	2725N			
Output Level				CMOS			
Nominal Frequency Range			(MHz)	$2.5 \leq F < 20$	$20 \leq F < 40$	$40 \leq F < 60$	$60 \leq F \leq 70$
Operating Temperature Range			(°C)	−10 to +70			
Overall Frequency Tolerance			(×10 ^{−6})	±50			
Supply Voltage [V _{CC}]			(V)	+5±10%			
Current Consumption Max.	During Operation	+25 °C	(mA)	Max. 15	Max. 25	Max. 40	Max. 45
	During Standby	+25 °C	(A)	Max. 15μ		Max. 25m	
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})		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				NSA6294B			

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.