

Crystal Clock Oscillator

2725 Series

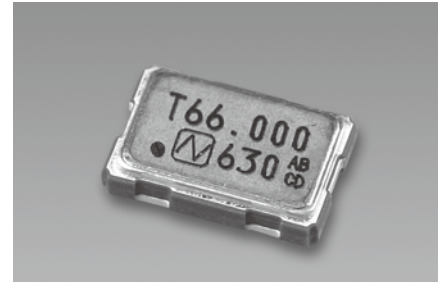
High-precision Type

Application

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

Features

- High-precision type (Overall frequency tolerance of $\pm 30 \times 10^{-6}$.)
- Supports a frequency range of 2.5 to 75 MHz.
- Automatic mounting by taping and IR reflow (lead-free) are possible.
- Lead-free.
- Compact and light. Dimensions : 5.0 x 3.2 x 1.0 mm, weight : 0.06 g.



Pb Free

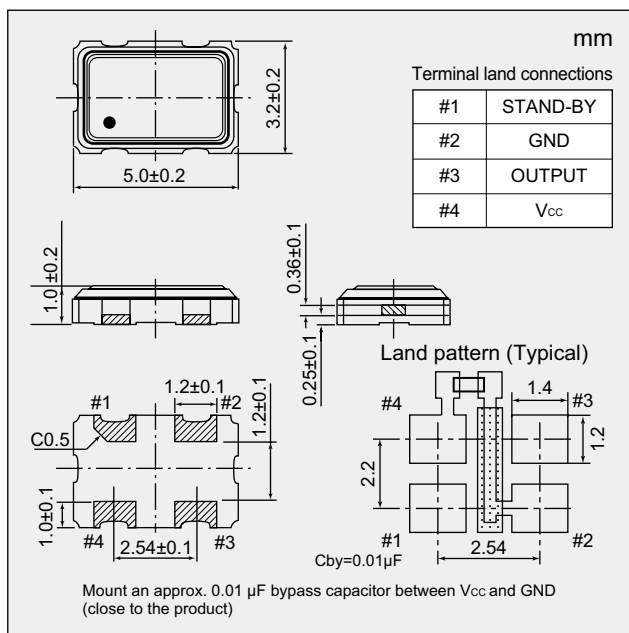
RoHS Compliant
Directive 2011/65/EU
Directive (EU) 2015/863

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

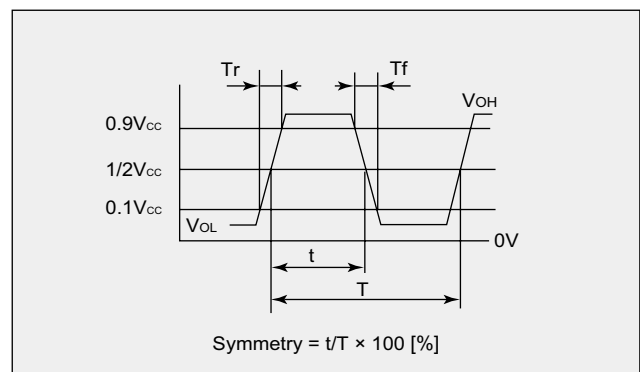
Specifications

Item	Model	2725T		
Output Specification		CMOS		
Nominal Frequency Range	(MHz)	$2.5 \leq F < 75$		
Operating Temperature Range	(°C)	-10 to +70		
Overall Frequency Tolerance	($\times 10^{-6}$)	± 30		
Supply Voltage [V _{CC}]	(V)	$+3.3 \pm 0.1$		
Current Consumption Max.	During Operation	+25 °C	(mA)	8 ($2.5 \leq F < 20\text{MHz}$) 15 ($20 \leq F < 40\text{MHz}$) 22 ($40 \leq F < 60\text{MHz}$) 25 ($60 \leq F < 75\text{MHz}$)
	During Standby	+25 °C	(μA)	10
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.	(%)	45 to 55 (at $1/2 V_{CC}$)		
Load (C _L) Max.	(pF)	15		
Start-up time Max.	(ms)	4 ($2.5 \leq F < 40\text{MHz}$) 10 ($40 \leq F < 75\text{MHz}$)		
Standby function		Available (Three-state)		
Specification Number		NSA6293C		

Dimensions



Output Waveform <CMOS>



Standby Function

#1 Input	#3 Output
Level H ($0.7 V_{CC} \leq V_{IH} \leq V_{CC}$) or OPEN is selected.	Oscillation output ON
Level L ($V_{IL} \leq 0.3 V_{CC}$) 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.