

Crystal Clock Oscillator

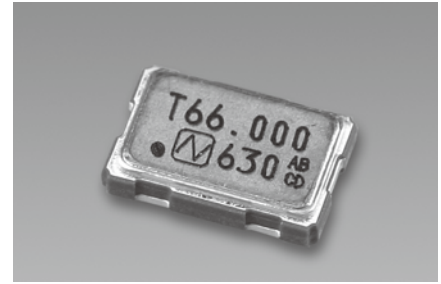
2725 Series High Frequency-supporting Type

Application

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

Features

- Supports a frequency range of 2.5 to 125 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

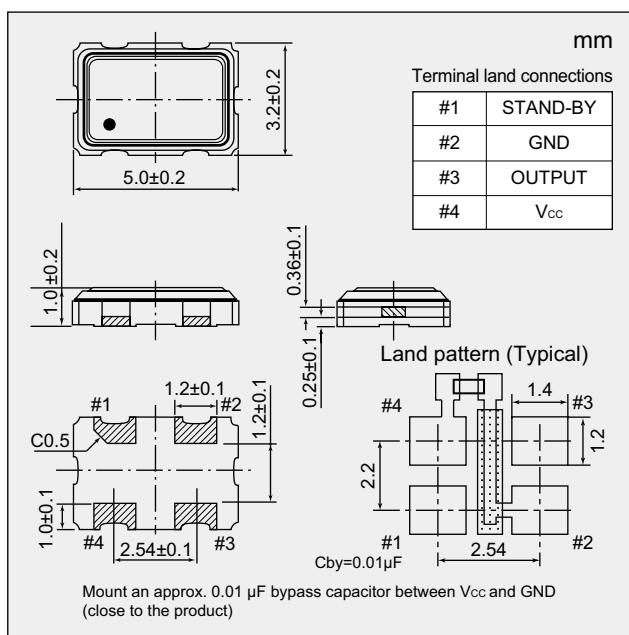
RoHS Compliant
Directive 2011/65/EU

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

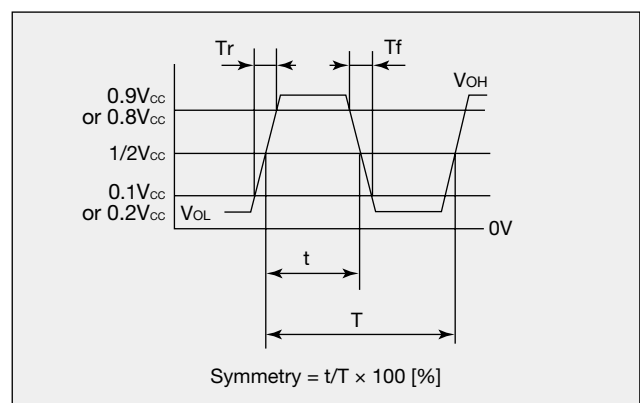
Specifications

Item		Model	2725T						
Output			CMOS						
Nominal Frequency Range		(MHz)	2.5 ≤ F < 20	20 ≤ F < 40	40 ≤ F < 60	60 ≤ F < 75	75 ≤ F < 100	100 ≤ F ≤ 125	
Operating Temperature Range		(°C)	-20 to +70						
Overall Frequency Tolerance		(×10 ⁻⁶)	±100						
Supply Voltage [V _{CC}]		(V)	+3.3±0.3						
Current Consumption Max.	During Operation	+25 °C	(mA)	8	15	22	25	35	40
	During Standby	+25 °C	(μA)	10					
V _{OL} Max. / V _{OH} Min.		(V)	0.1 V _{CC} / 0.9 V _{CC}				0.2 V _{CC} / 0.8 V _{CC}		
Tr Max. / Tf Max.		(ns)	5/5 (0.1 V _{CC} to 0.9 V _{CC})				3/3 (0.2 V _{CC} to 0.8 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			10			
Standby function			Available (Three-state)						
Specification Number			NSA6293A						

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.