

Crystal Clock Oscillator

2725 Series

Power-saving Type

Application

- For compact mobile information equipment, such as DVC, DSC, notebook PC, and PDA

Features

- A power saving-type crystal oscillator, capable of being driven by a 1.8 V. power supply.
- Consumption current during standby is 3 μ A or less.
- 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

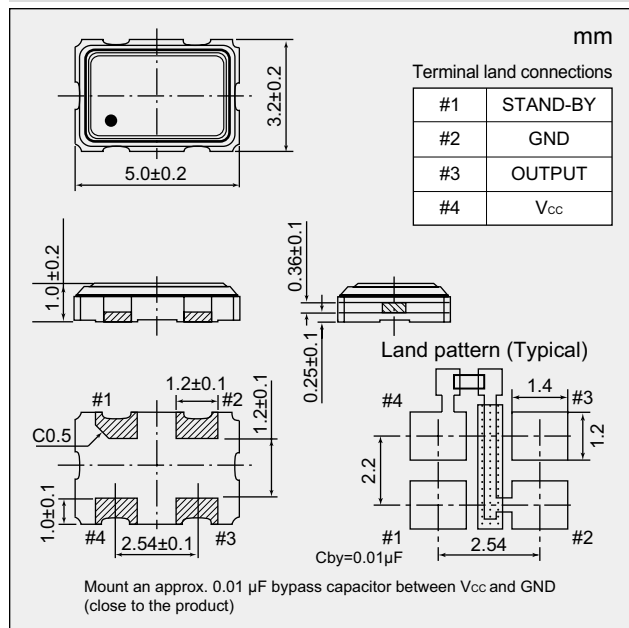
RoHS Compliant
Directive 2011/65/EU
Directive (EU) 2015/863

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

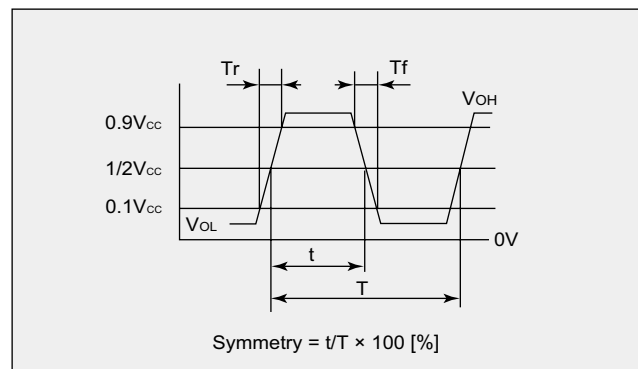
Specifications

Item	Model	2725Z		
Output Specification		CMOS		
Nominal Frequency Range	(MHz)	$2.5 \leq F < 40$		
Operating Temperature Range	(°C)	-20 to +70	-10 to +70	-10 to +70
Overall Frequency Tolerance	($\times 10^{-6}$)	± 100	± 50	± 30
Supply Voltage [V_{CC}]	(V)	$+1.8 \pm 0.1$		
Current Consumption Max.	During Operation	+25 °C	(mA)	
	During Standby	+25 °C	2 (Typ. 1)	
			(μA)	
			3	
V_{OL} Max. / V_{OH} Min.	(V)	$0.1 V_{CC} / 0.9 V_{CC}$		
T_r Max. / T_f Max.	(ns)	6/6 ($0.1 V_{CC}$ to $0.9 V_{CC}$)		
Symmetry Min. to Max.	(%)	40 to 60 (at $1/2 V_{CC}$)		
Load (C_L) Max.	(pF)	5		
Start-up time Max.	(ms)	4		
Standby function		Available (Three-state)		
Specification Number		NSA6297A	NSA6297B	NSA6297C

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.