

## 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.
- Current consumption during standby is 3  $\mu$ 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

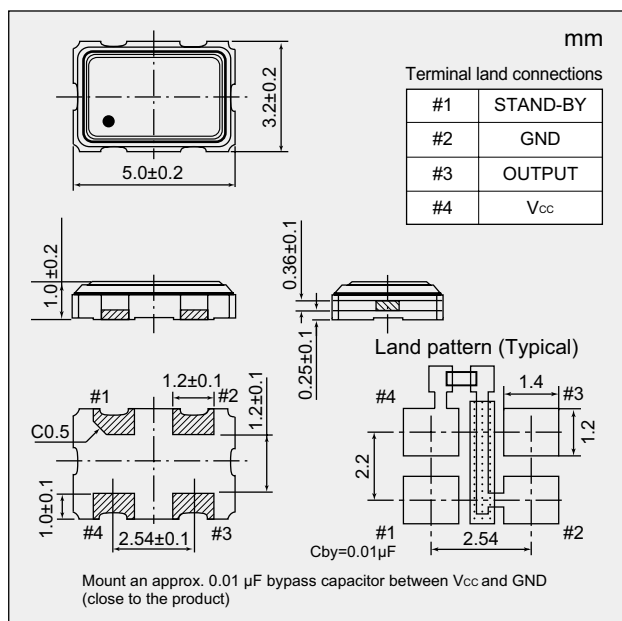
RoHS Compliant  
Directive 2011/65/EU

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

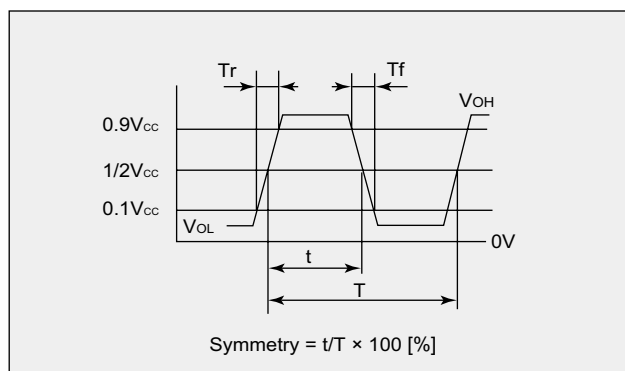
### ■ Specifications

Item			Model	2725Z
Output Level				CMOS
Nominal Frequency Range			(MHz)	$2.5 \leq F < 40$
Operating Temperature Range			(°C)	-20 to +70
Overall Frequency Tolerance			( $\times 10^{-6}$ )	$\pm 100$
Supply Voltage [ $V_{CC}$ ]			(V)	$+1.8 \pm 0.1$
Current Consumption Max.	During Operation	+25 °C	(mA)	2 (Typ. 1mA)
	During Standby	+25 °C	( $\mu$ A)	3
$V_{OL}$ Max. / $V_{OH}$ Min.			(V)	$0.1 V_{CC} / 0.9 V_{CC}$
Tr Max./ Tf 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

### ■ 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.