

# Crystal Clock Oscillator

## 2725T

## For wireless LAN

### Application

- For wireless LAN

### Features

- A high-precision type. Best suited for wireless LAN-compliant information terminal devices.
- 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

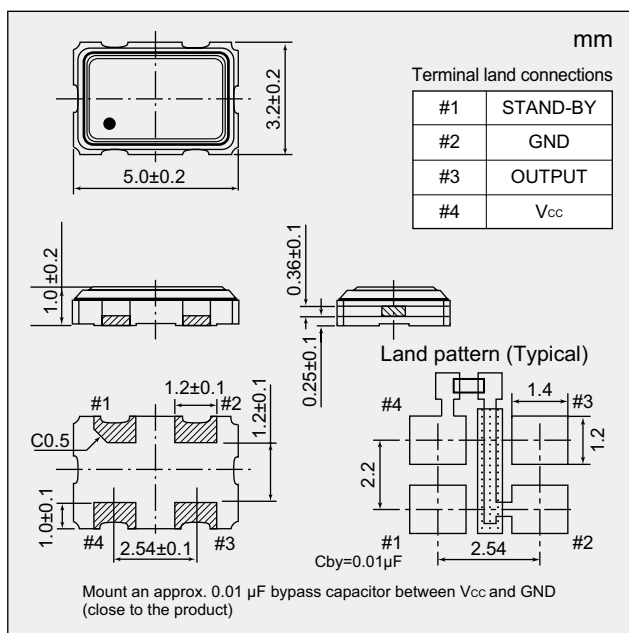
RoHS Compliant  
Directive 2011/65/EU  
Directive (EU) 2015/863

Absolute maximum rating  
Supply Voltage (V<sub>CC</sub>) -0.5 to +7.0 V  
Storage Temperature Range -55 to +125 °C

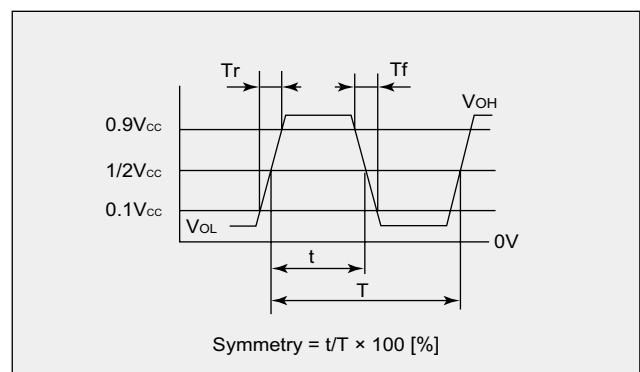
### Specifications

Item	Model	2725T		
Output Specification		CMOS		
Nominal Frequency Range	(MHz)	22	40	44
Operating Temperature Range	(°C)	-10 to +70		
Overall Frequency Tolerance	(×10 <sup>-6</sup> )	±25		
Supply Voltage [V <sub>CC</sub> ]	(V)	+3.3±0.1		
Current Consumption Max.	During Operation	+25 °C	(mA)	15
	During Standby	+25 °C	(A)	10 μ
V <sub>OL</sub> Max. / V <sub>OH</sub> Min.	(V)	0.1 V <sub>CC</sub> / 0.9 V <sub>CC</sub>		
Tr Max. / Tf Max.	(ns)	5/5 (0.1 V <sub>CC</sub> to 0.9 V <sub>CC</sub> )		
Symmetry Min. to Max.	(%)	45 to 55 (at 1/2 V <sub>CC</sub> )		
Load (C <sub>L</sub> ) Max.	(pF)	15		
Start-up time Max.	(ms)	4	10	
Standby function		Available (Three-state)		
Specification Number		NSA6046A	NSA6045A	NSA6044A

### 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 (Max. +0.3 V <sub>CC</sub> ) is selected. (22 MHz, 40 MHz)	High impedance
Level L (Max. +0.15 V <sub>CC</sub> ) is selected. (44 MHz)	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.