

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

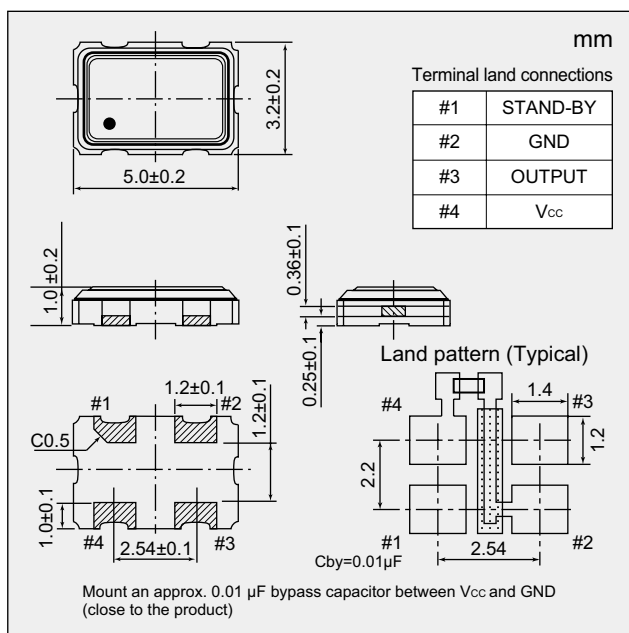
RoHS Compliant
Directive 2011/65/EU
Directive (EU) 2015/863

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

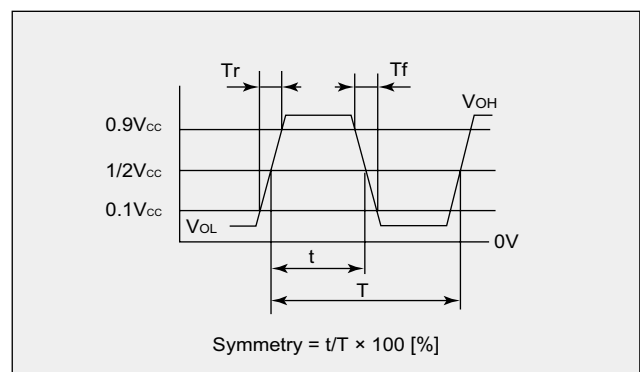
Specifications

Item	Model		2725T		
Output Specification			CMOS		
Nominal Frequency Range	(MHz)		22	40	44
Operating Temperature Range	(°C)		-10 to +70		
Overall Frequency Tolerance	(×10 ⁻⁶)		±25		
Supply Voltage [V _{CC}]	(V)		+3.3±0.1		
Current Consumption Max.	During Operation	+25 °C	(mA)	15	22
	During Standby	+25 °C	(A)	10 μ	
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	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 _{CC}) is selected. (22 MHz, 40 MHz)	High impedance
Level L (Max. +0.15 V _{CC}) 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.