

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 2.5 V power supply.
- 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

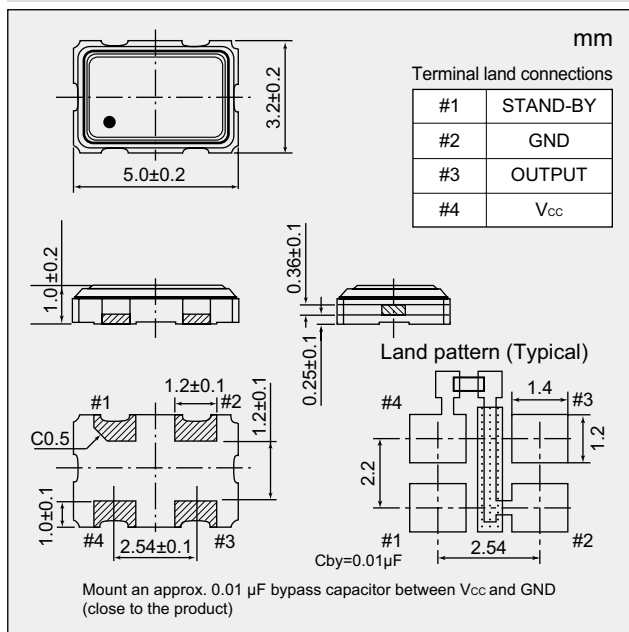
RoHS Compliant
Directive 2011/65/EU

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

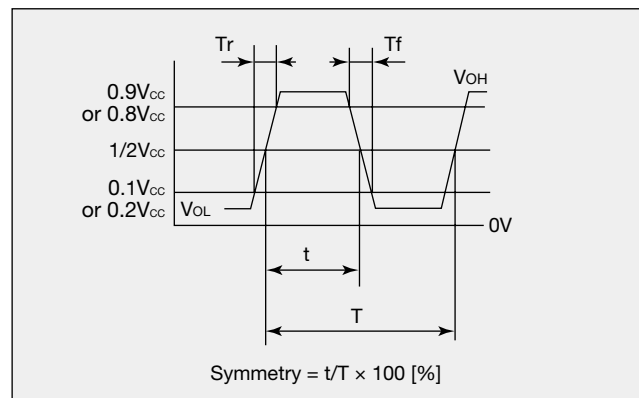
Specifications

Item	Model	2725Q							
Output Level		CMOS							
Nominal Frequency Range	(MHz)	2.5 ≤ F < 5	5 ≤ F < 10	10 ≤ F < 20	20 ≤ F < 40	40 ≤ F < 75	75 ≤ F ≤ 125		
Operating Temperature Range	(°C)	-10 to +70							
Overall Frequency Tolerance	(×10 ⁻⁶)	±50							
Supply Voltage [V _{CC}]	(V)	+2.5±0.1							
Current Consumption Max.	During Operation	+25 °C	(mA)	2	3	4	6	16	24
	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})							4/4 (0.2 V _{CC} to 0.8 V _{CC})
Symmetry Min. to Max.	(%)	40 to 60 (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		NSA6296B							

Dimensions



Output Waveform <CMOS>



Standby Function

#1 Input	#3 Output
Level H (0.7 V _{CC} ≤ V _{IH} ≤ V _{CC}) or OPEN is selected.	Oscillation output ON
Level L (V _{IL} ≤ 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.