

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

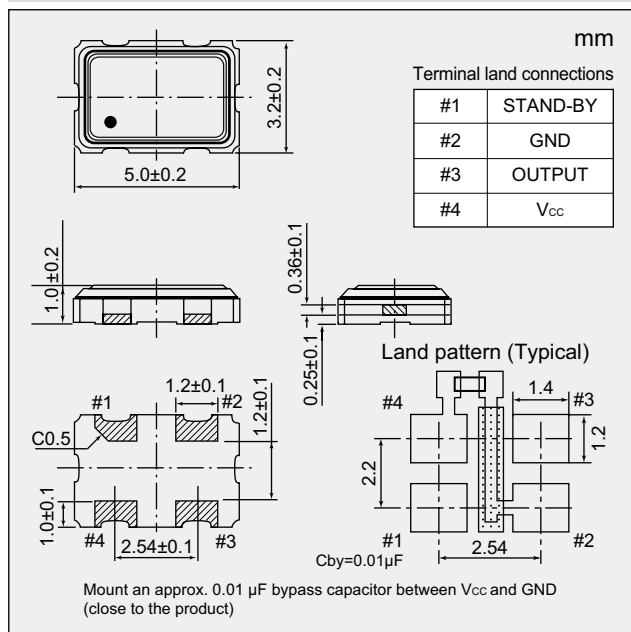
Absolute maximum rating
Supply Voltage (V_{CC}) -0.5 to +7.0 V
Storage Temperature Range -55 to +125 °C



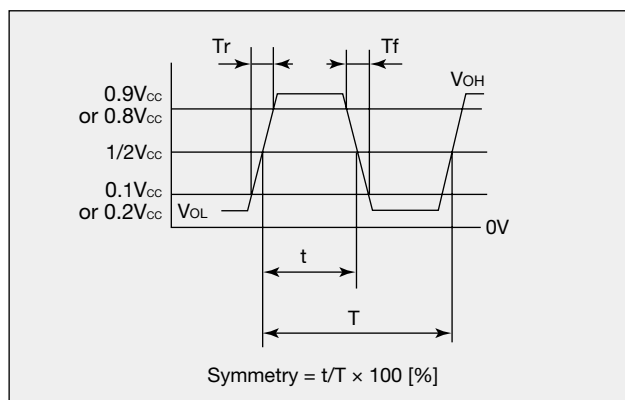
Specifications

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 ($0.7 V_{CC} \leq V_{IH} \leq V_{CC}$) 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.