捷多邦,专业PCB打样工厂,24小时加急出货

Crystal Clock Oscillator



2765E Series

EMI Noise-reducing Type

■ Model name

2765E Frequency stability of ±100 x 10-6.

■ Application

• For compact mobile information equipment, such as PDA and notebook PC

■ Features

- With a spread spectrum function installed, this crystal oscillator effectively reduces EMI noise.
- With a standby function installed, power consumption is reduced.



Free RoHS Compliant

Directive 2002/95/EC

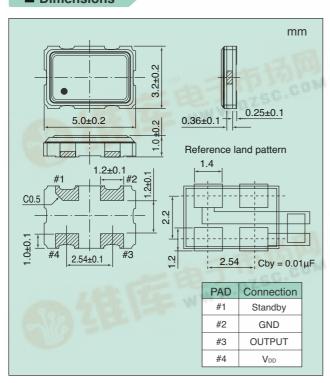
Absolute maximum rating Power supply voltage (V_{DD}) -0.5 to +4.0V DC Storage temperature range -55 to +125°C

■ Specifications

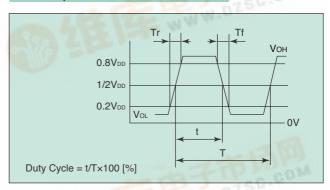
Item	Model	2765E	
Output level		C-MOS	
Frequency range *1	(MHz)	40 ≤ F ≤ 80	
Operating temperature range *2	(°C)	-20 to +70	
Frequency stability	(×10 ⁻⁶)	±100	
Power supply voltage	(V)	+3.3±0.3	
Consumption current During operation	(mA)	30	
(+3.3V,25°C) max During standby	(µA)	30	
Vol max/Voн min	(V)	0.2V _{DD} /0.8V _{DD} I _{OL} =4mA I _{OH} =-4mA	
Tr max/Tf max	(ns)	5/5 (0.2V _{DD} to 0.8V _{DD})	
Duty Cycle min. to max.	(%)	40 to 60 (at 1/2V _{DD})	
Load (CL) max	(pF)	15	
Oscillation start time max	(ms)	10	
Standby function		Available (tristate)	
Number for specifying an order		NSA3393A	

^{*1:} If you require a product with a frequency not given above, please contact us. *2: If you require a product with an operating temperature range not given above, please contact us.

■ Dimensions



■ Output Waveform <C-MOS>



■ Spread Spectrum Characteristics

Spreading Type	Spreading Ratio
Center spreading	±1.0%

■ Standby Function

#1 Input	#3 Output
Level H (0.7 VDD ≤ VIH ≤ VDD) or OPEN is selected.	Oscillation output ON
Level L (V L ≤ 0.3 V DD) is selected.	High impedance

How to Specify an Order