



## Specification for approval

Product Name:		Customer Name:
Crystal Oscillator		
Holder Type:		Customer Part NO.:
OSC SMD3225		
Description:		Issued Date:
100.00MHZ / $\pm 25$ PPM / 3.3V		2022-11-10

Please confirmatory sample, and give us valuable suggestion, thanks!

Customer Approved		
engineer	quality	buyer

Supplier Approved		
Issued by	Checked by	Approved by

E-mail: [david@sti-ele.com](mailto:david@sti-ele.com)

Website: <http://www.sti-ele.com>

Address: 5 floor, 6 Building, A District, Baoan Internet industry base, Xixiang, Baoan District, Shenzhen ,Guangdong, China 518101

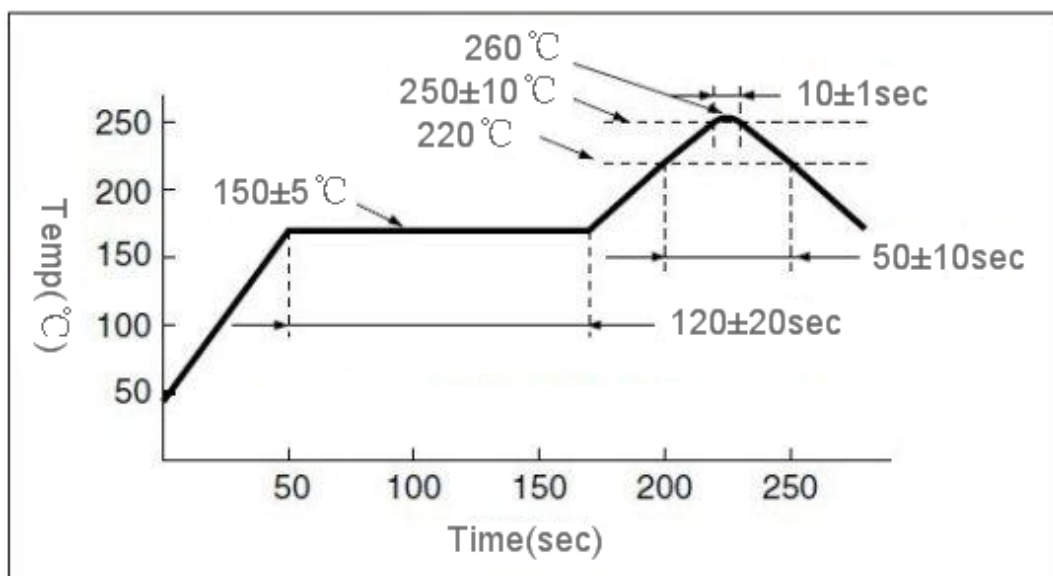
Tel: 86 (755) 2949-7475

Fax: 86 (755) 2949-7476

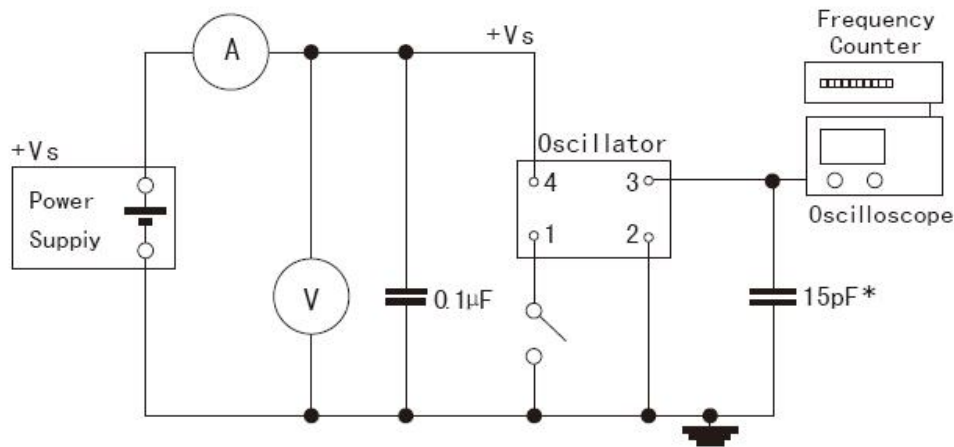
## 1: Electrical parameters

No.	Item	Spec
1	Model NO.	OSC SMD3225
2	Nominal Frequency	100.000000MHZ
3	Temperature Characteristics	$\pm 25\text{ppm}$
4	Operating temperature Range	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
5	Storage Temperature Range	$-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
6	Supply Voltage	$3.3\text{V} \pm 0.1\text{V}$
7	Supply Current	30mA Max
8	Output wave	HC CMOS
9	Output Load	15PF
10	Rise/Fall Time	10ns Max
12	Symmetry	$50\% \pm 10\%$
13	Aging Rate a Year	$\pm 3\text{ppm/year}$
14	start up time	5ms Max

## 2. Reflow Condition



### 3. Test Circuit



### 4. matters need attention

4.1: Install the product in the anti-static environment ( IC circuit for this item as a requirement)

4.2: Note that prevent fall or collision caused by the product failure

4.3: Crystal plus power voltage amplitude, tolerance, correct polarity, attention to power supply ripple (Low phase noise crystal recommended low ripple linear power)

4.4: Output load to match

4.5: Oscillator circuit, NC/tri-state pin must be Vacant / tri-state control terminal

4.6: DIP package crystal welded by hand, SMD package crystal using reflow, The welding temperature does not exceed 265 °C, Time of less than 5 seconds

4.7: Product storage ambient temperature is -10°C ~ 40°C、Relative humidity less than 80%、Ambient non-acidic, alkaline and other harmful gases

## 5: Dimensions (Unit:mm)

