



# SCM 9070电感目录

## SCM 9070 Inductor directory

选型资料

SCM-9070

耐大電流片式共模濾波器。



### 产品特点:

1. 从2A-6A不等的更大的额定电流耐受。
2. 对于共模阻抗从300Ω-2700Ω不等，发挥了更大的杂讯抑制效果
3. 由于差模信号阻抗被抑制在较低水平，因此对于高速信号影响非常小。
4. 增加上盖的设计更有利于SMT吸件。
5. 小尺寸贴片式设计，适用于回流焊工艺，加快产品自动化生产进度。

### 產品應用:

用于所有电子设备的电源线噪音。  
笔记本电脑、文字处理机等大型电子设备的适配器线、电池线的噪音抵制。  
移动充电器、医疗产品、LED显示器的电源噪音抑制。

### 产品规格型号表示方法:

ACM	9070	101	M/F
产品代号 product code	规格尺寸 dimensions	產品參數 -Product parameter	上盖 loam cake
系列名稱	產品尺寸	產品參數	上盖



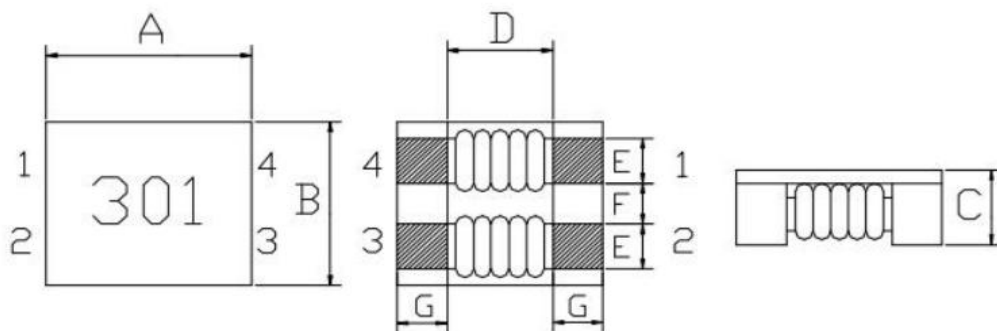
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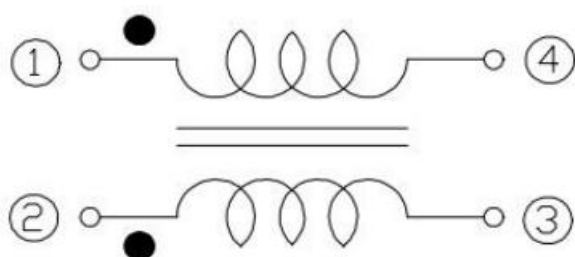
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形状与尺寸:

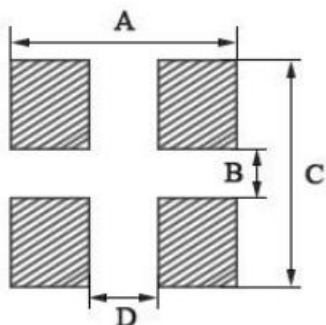


规格型号	产品尺寸						
	A	B	C	D	E	F	G
SCM-9070	9.0±0.5	7.0±0.5	4.8MAX	5.7TYP	1.5TYP	2.0TYP	1.7TYP

电路图:



推荐焊盘布局:



规格型号	A	B	C	D
SCM-9070	7.0TYP	5.0TYP	11TYP	1.5TYP



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电气特性:

规格型号	阻抗 ( $\Omega$ ) AT100MHZ		直流电阻 MAX( $\Omega$ )	额定电压 (V) MAX	绝缘电阻 (M $\Omega$ ) MIN	额定电流 (MA) MAX
	MIN	TYP				
SCM-9070-301-M	225	300	0.006	80	10	6000
SCM-9070-501-M	450	600	0.008	80	10	5500
SCM-9070-701-M	500	700	0.01	80	10	5000
SCM-9070-102-M	750	1000	0.013	80	10	4000
SCM-9070-222-M	1700	2200	0.06	80	10	2500
SCM-9070-272-M	2000	2700	0.086	80	10	2000



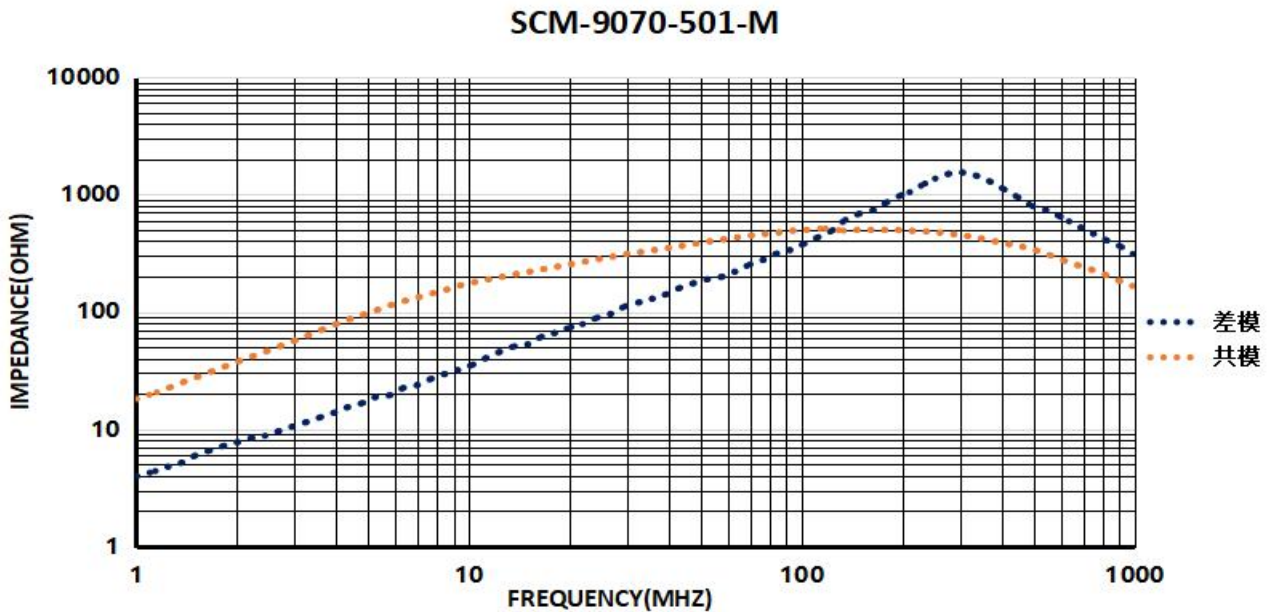
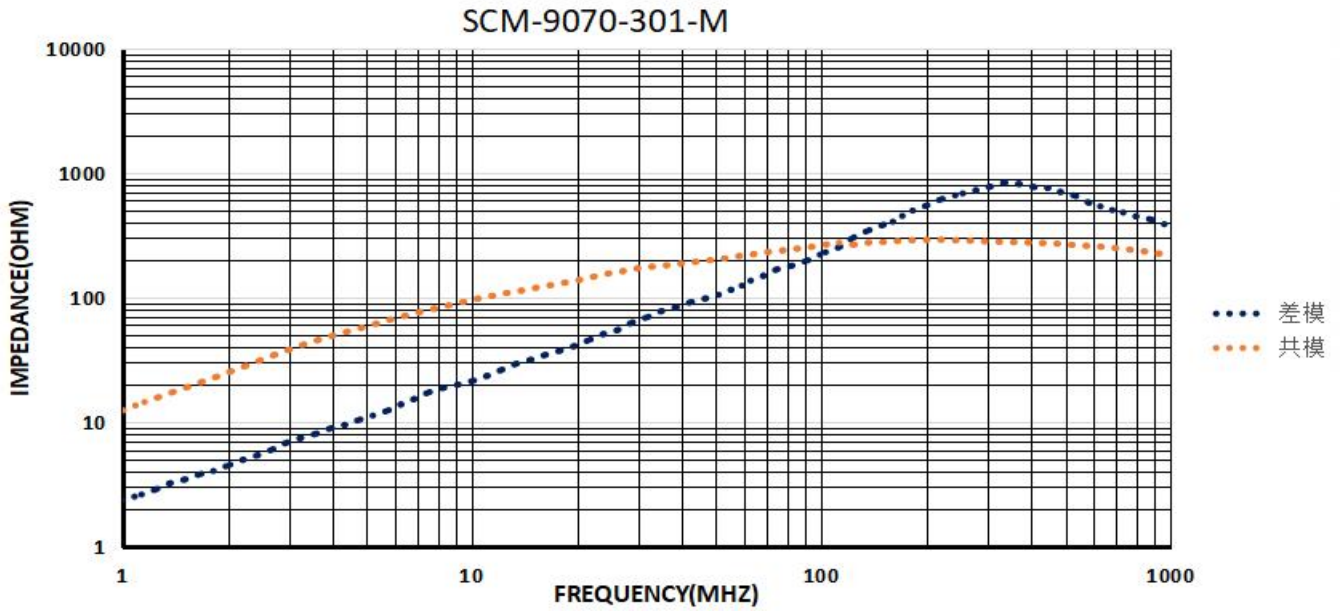
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测试曲线:





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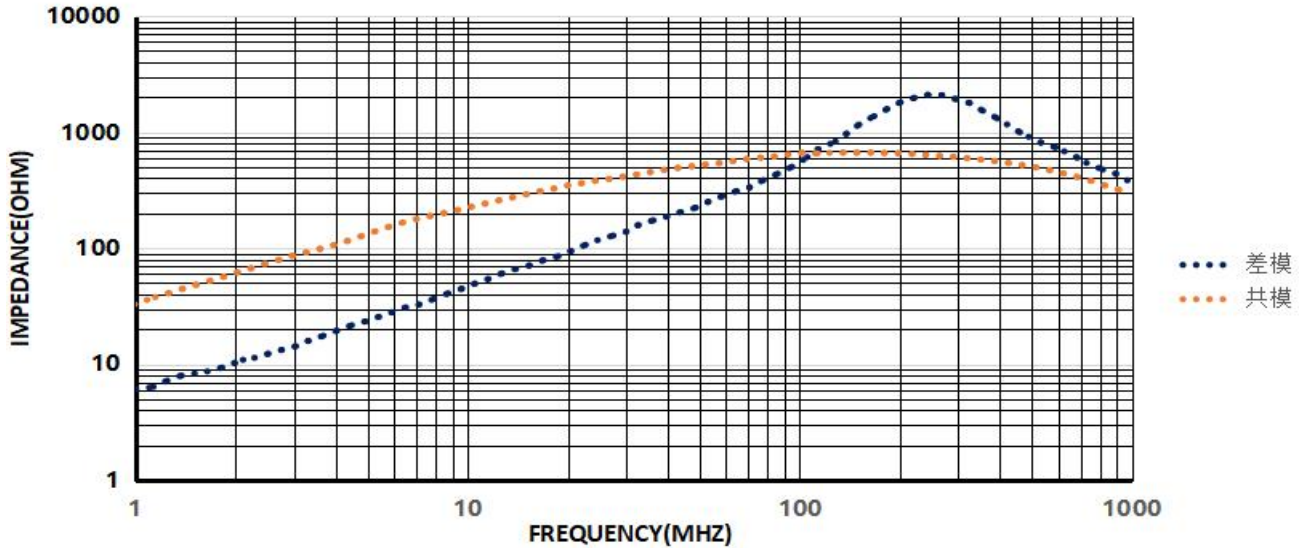
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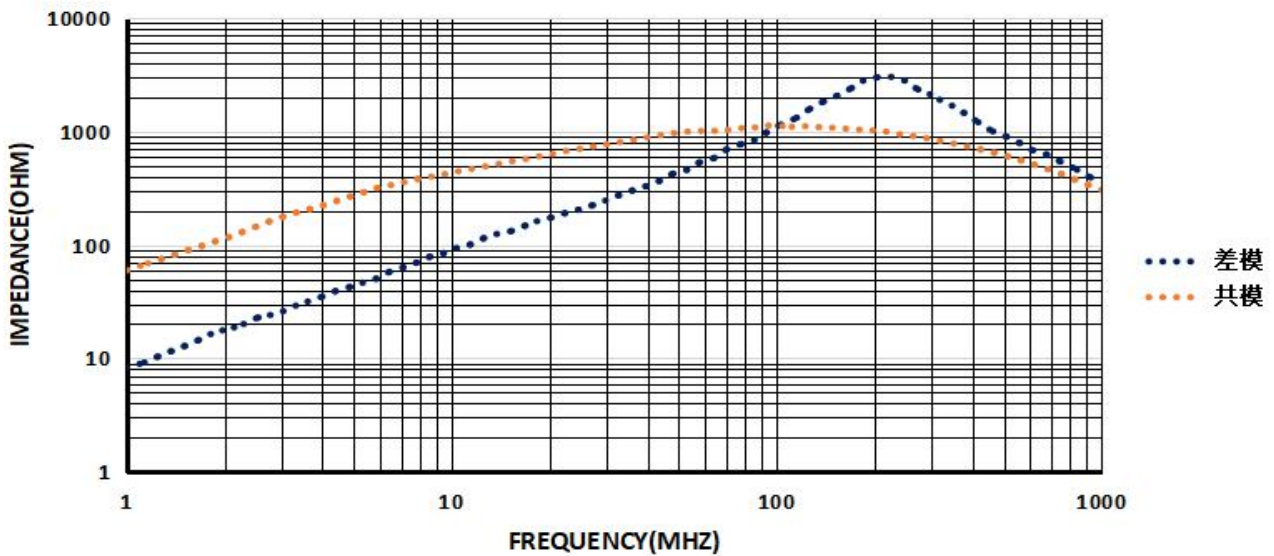
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测试曲线:

SCM-9070-701-M



SCM-9070-102-M





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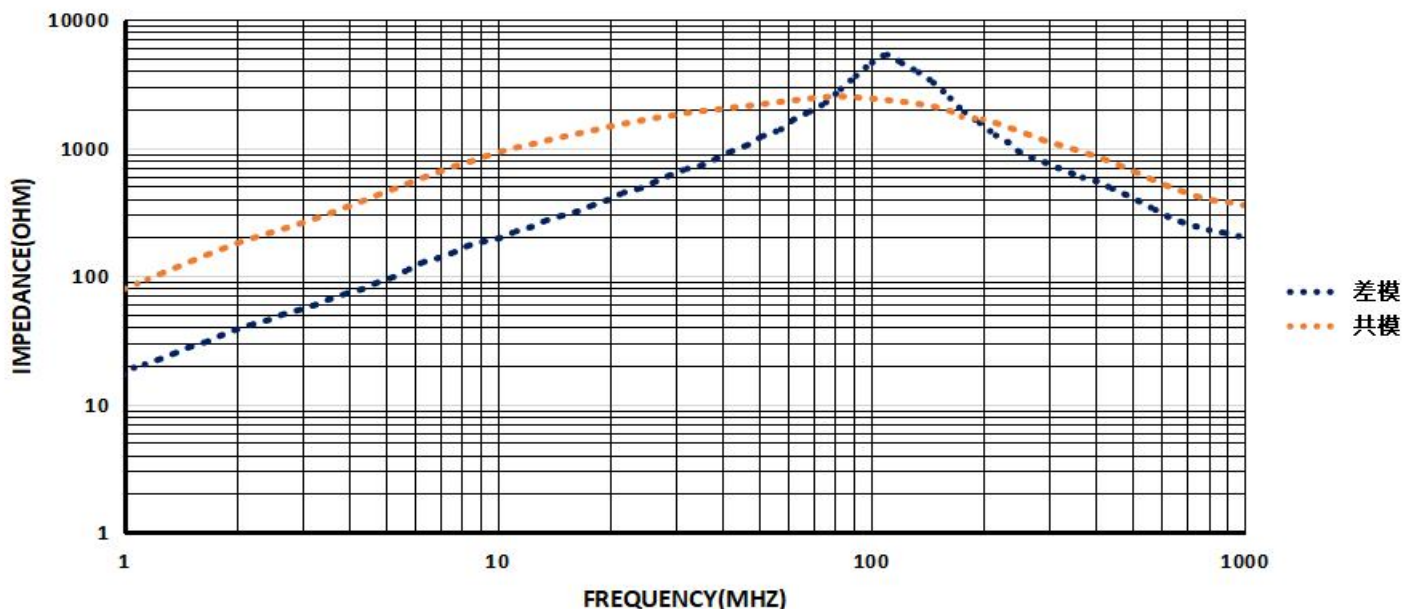
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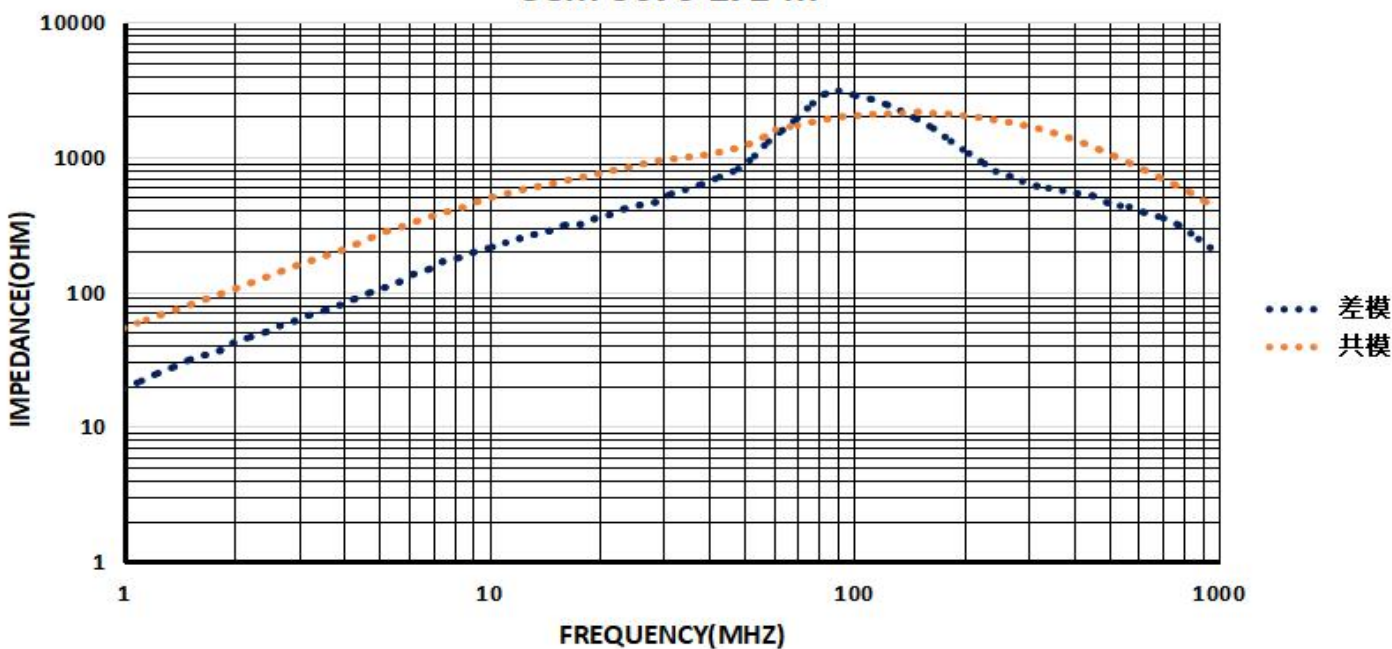
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测试曲线:

### SCM-9070-222-M



### SCM-9070-272-M







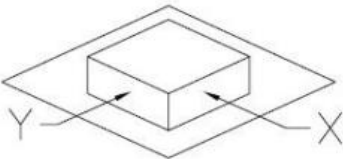
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#### 可靠性测试:

Operating Temperature	' - 30 to + 100 °C ( Contain Heating coil )
Appearance Inspection	No external defects by visual inspection
Terminal Strength 	After soldering , between copper plaet and terminalsof coils , push in two directions of X , Y withstanding 10N(1.02kg) for10+/-2 sec.Terminal should not peel off. ( Refer to the left picture )
Heat endurance of reflow	Refer to figure
Insulating resistance	Over 100 MΩ at 100V D.C . between wire and core .
Dielectric Strength	Apply at 0.5KV 3mA for 1 minute between wire and core
Temperature characteristics	Inductance coefficient ( 0~2,000 ) × 10 / °C( - 30 ~ + 100 °C )
Humidity characteristics	Inductance deviation within ± 10% , after 96 hours in 90~95% relative humidity at 40 ± 2 °C and 1 hours drying under normal condition .
A test is made under the above mentioned condition , and it is kept for 2 hours in the normal	



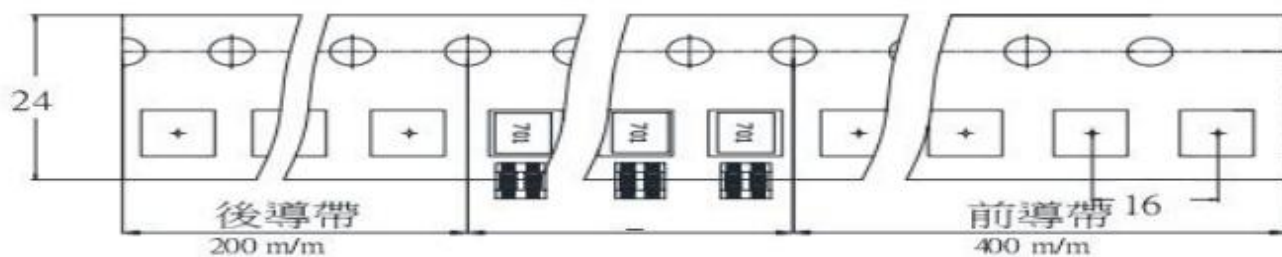
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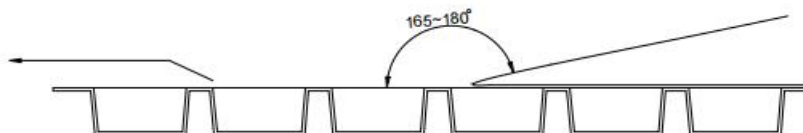
编带规格:



Transparent carrier and cover tape/透明载带和覆盖带

Adhesive strength of cover tape is 20 to 120 gf

The conduction band direction







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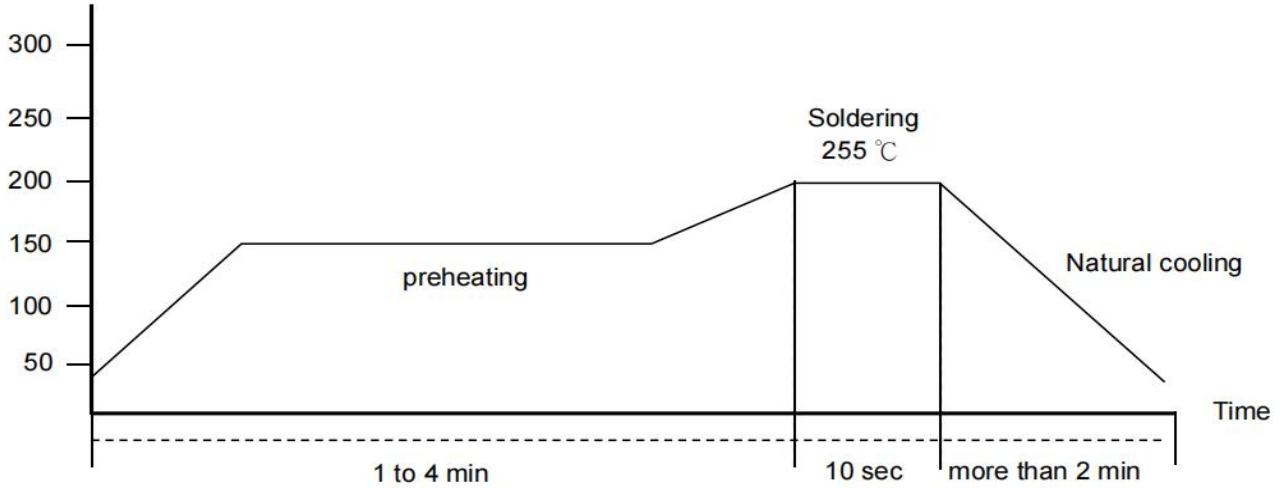
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### 回流焊:

Temperature °C



Temperature and humidity . After that , no mechanical and electrical defect should be found .