



# SCM 7060电感目录

## SCM 7060 Inductor directory

选型资料

SCM-7060

保持了共模电感要求的特性，实现了大幅度的产品小型化、低背化的绕线型共模滤波器。



### 产品特点:

1. 从0.9A-15A不等的更大的额定电流耐受。
2. 对于共模阻抗从40Ω-3000Ω不等，发挥了更大的杂讯抑制效果。
3. 两进两出双绕分绕的设计方法，EMC杂讯抑制的覆盖频段更宽。
4. 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。
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:

液晶显示屏的LVDS、Panel Link线。  
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:

| SCM                  | 7060               | 101                             | F               |
|----------------------|--------------------|---------------------------------|-----------------|
| 产品代号<br>product code | 规格尺寸<br>dimensions | 產品參數 -<br>Product<br>parameters | 上盖<br>loam cake |
| 系列名稱                 | 產品尺寸               | 產品參數                            | 上盖              |



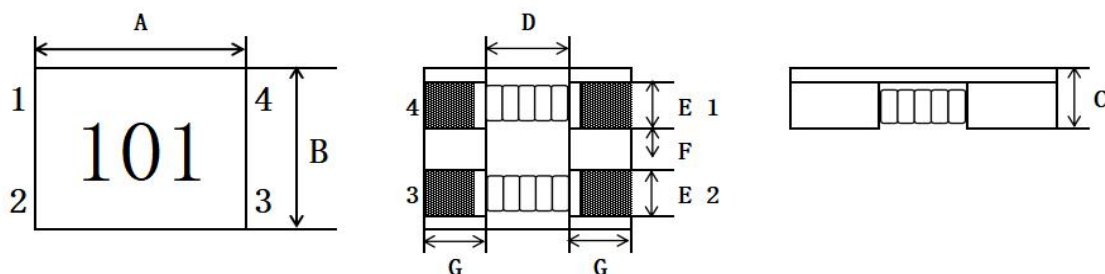
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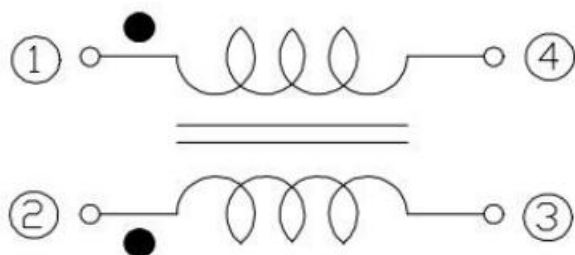
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形状与尺寸:

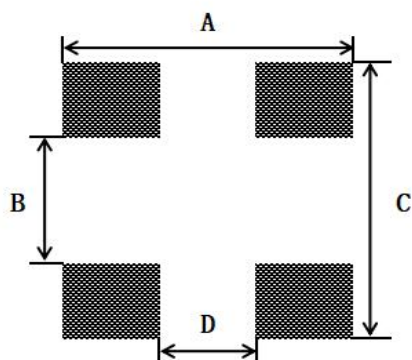


| 规格型号     | 产品尺寸    |         |        |        |         |         |          |
|----------|---------|---------|--------|--------|---------|---------|----------|
|          | A       | B       | C      | D      | E       | F       | G        |
| SCM-7060 | 7.0±0.5 | 6.0±0.5 | 3.8MAX | 3.5TYP | 1.5±0.2 | 1.5±0.2 | 1.75±0.2 |

电路图:



推荐焊盘布局:



| 规格型号     | A      | B      | C      | D      |
|----------|--------|--------|--------|--------|
| SCM-7060 | 7.2TYP | 1.2TYP | 6.5TYP | 3.2TYP |



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电气特性:

| 规格型号           | 阻抗 ( $\Omega$ ) AT100MHZ |      | 直流电阻<br>MAX( $\Omega$ ) | 额定电压<br>(V) MAX | 绝缘电阻<br>(M $\Omega$ )<br>MIN | 额定电流<br>(MA)<br>MAX |
|----------------|--------------------------|------|-------------------------|-----------------|------------------------------|---------------------|
|                | MIN                      | TYP  |                         |                 |                              |                     |
| SCM-7060-400-F | 40                       | 70   | 0.005                   | 125             | 10                           | 15000               |
| SCM-7060-101-F | 100                      | 140  | 0.01                    | 125             | 10                           | 9000                |
| SCM-7060-301-F | 225                      | 300  | 0.01                    | 125             | 10                           | 5000                |
| SCM-7060-501-F | 275                      | 350  | 0.01                    | 125             | 10                           | 5000                |
| SCM-7060-601-F | 500                      | 700  | 0.015                   | 125             | 10                           | 4000                |
| SCM-7060-701-F | 500                      | 700  | 0.015                   | 125             | 10                           | 4000                |
| SCM-7060-102-F | 800                      | 1020 | 0.017                   | 125             | 10                           | 3000                |
| SCM-7060-132-F | 910                      | 1300 | 0.021                   | 125             | 10                           | 2500                |
| SCM-7060-272-F | 2000                     | 2700 | 0.063                   | 125             | 10                           | 1000                |
| SCM-7060-302-F | 2500                     | 3000 | 0.075                   | 125             | 10                           | 900                 |



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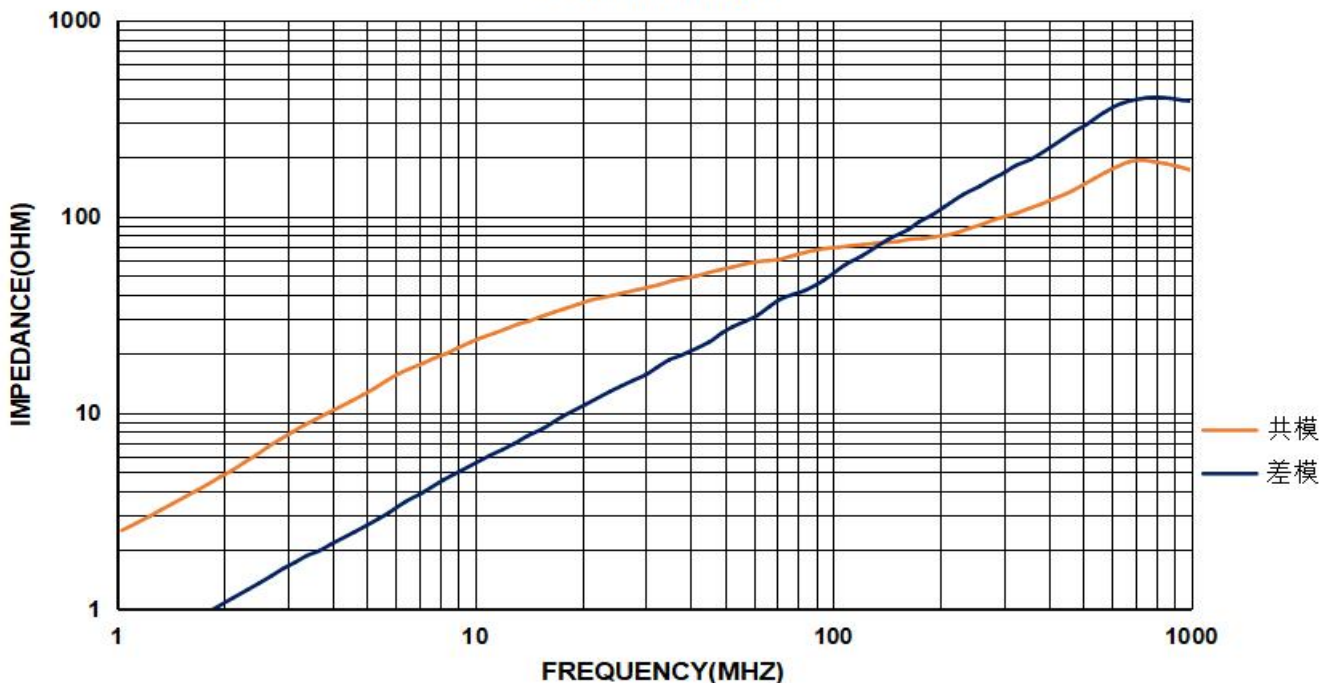
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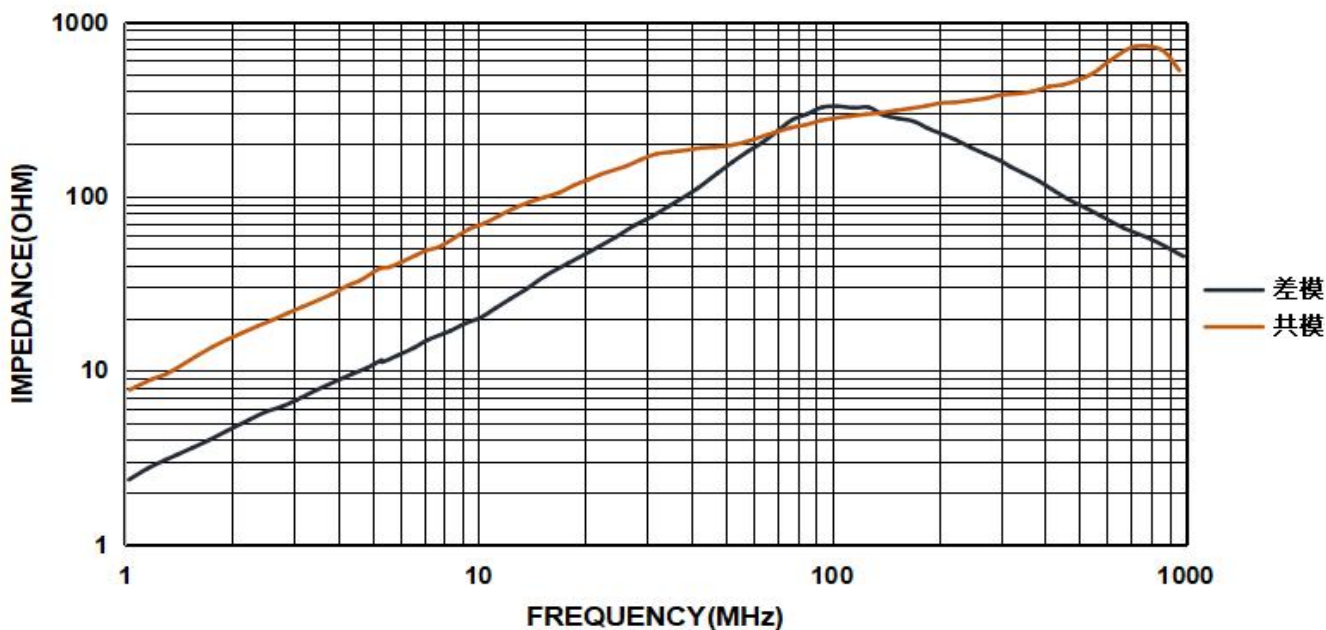
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測試曲線:

SCM-7060-400-F



SCM-7060-101-F





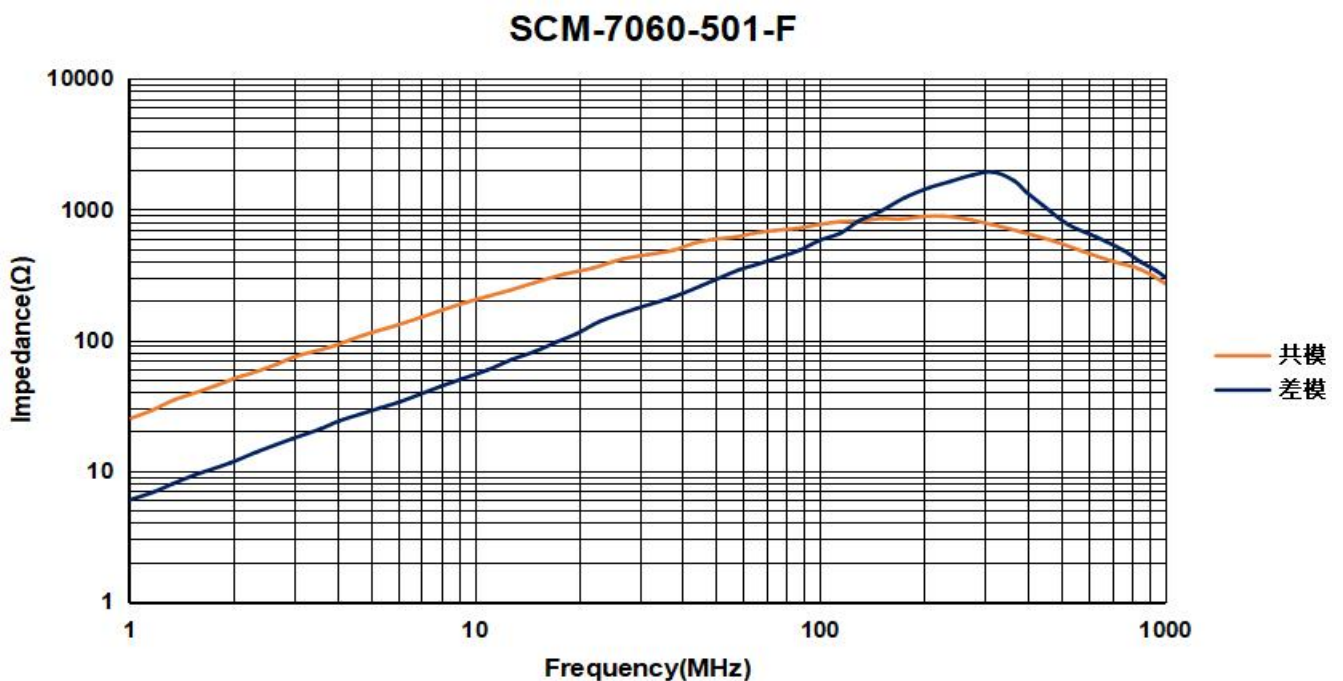
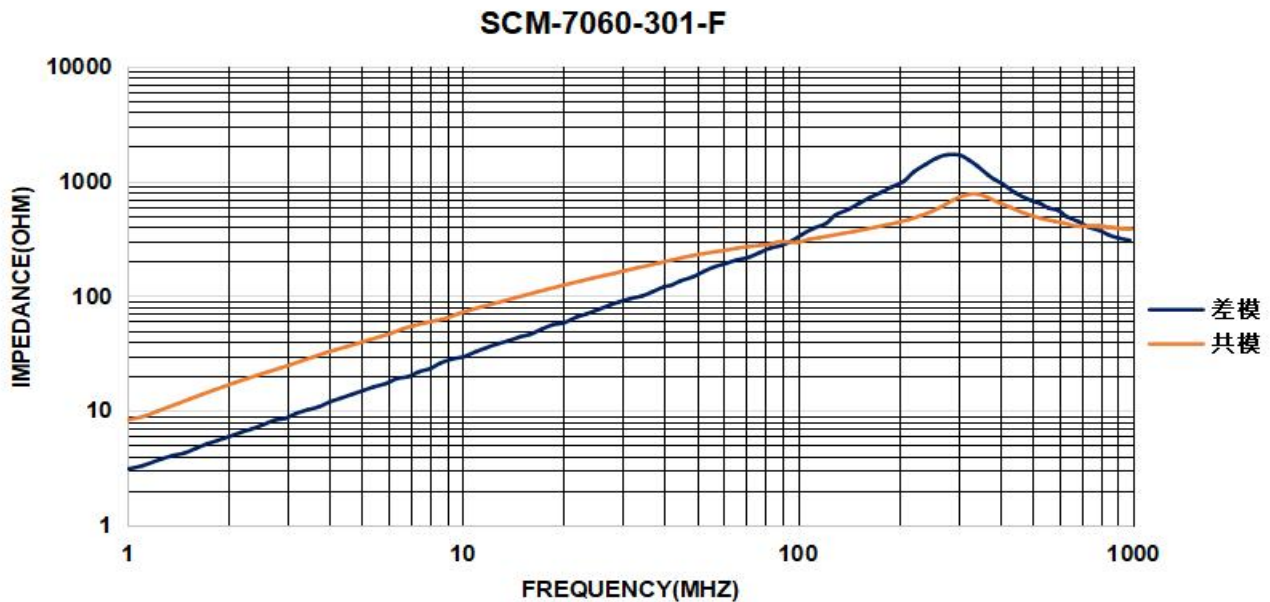
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測試曲線:





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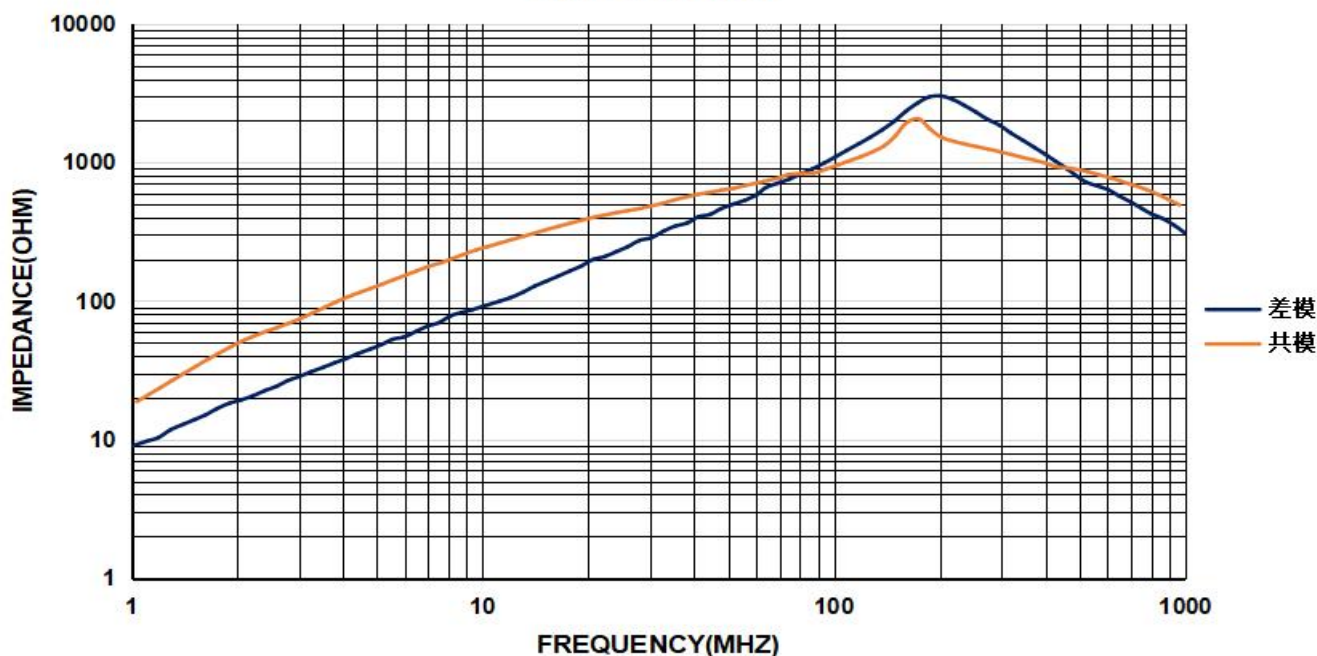
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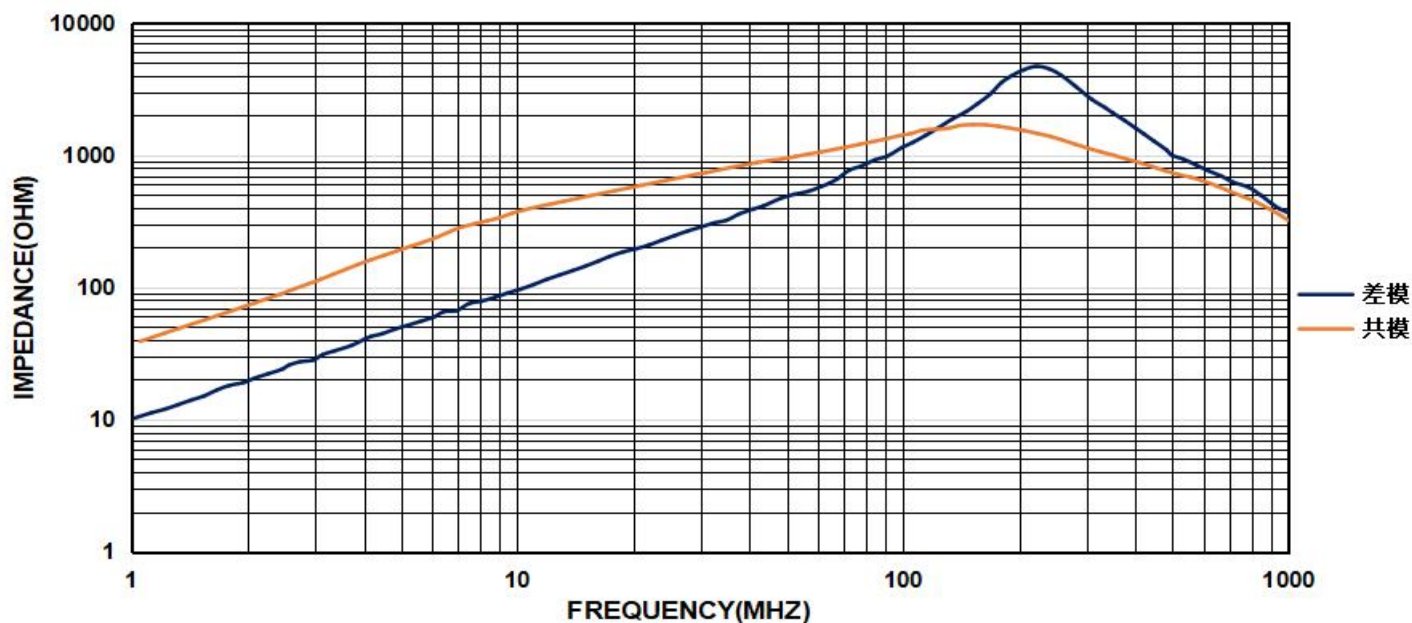
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測試曲線:

SCM-7060-102-F



SCM-7060-132-F







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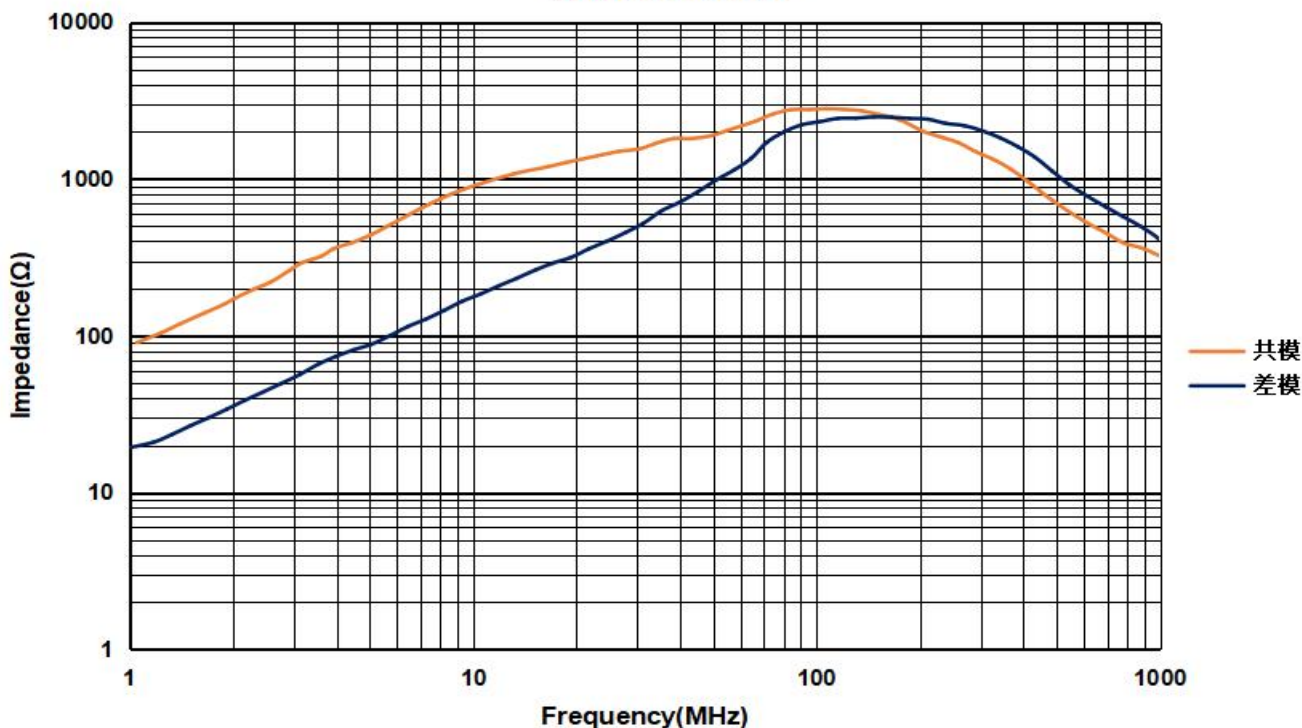
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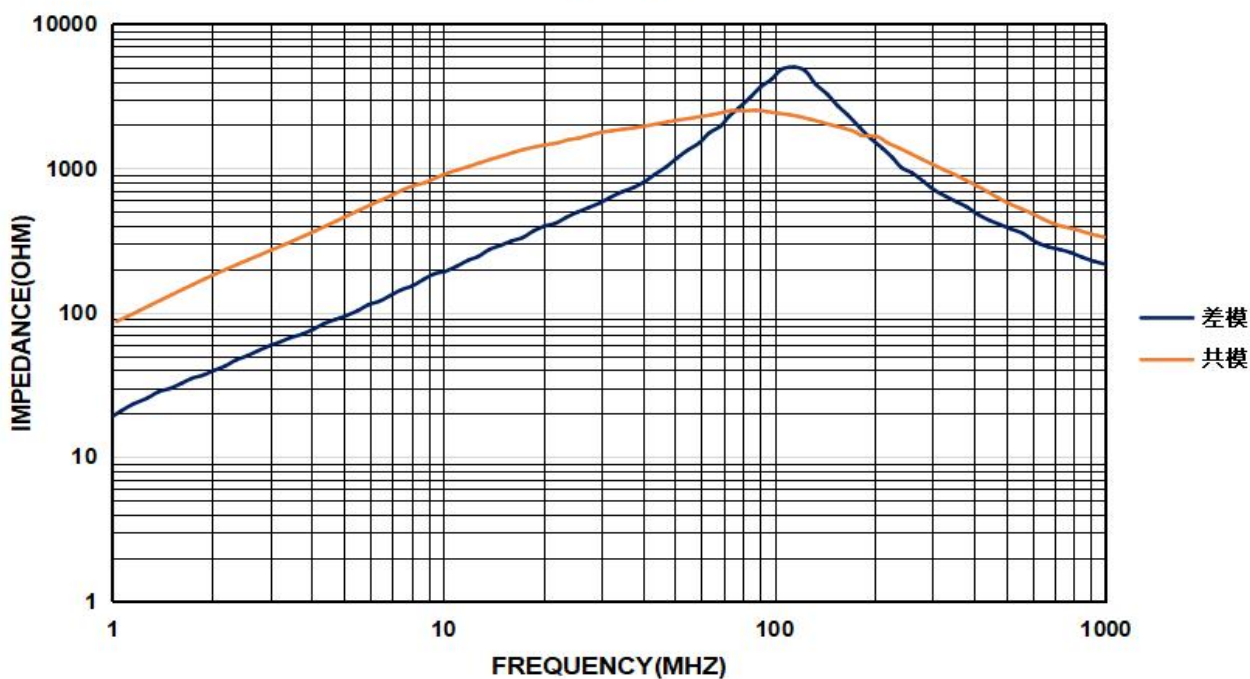
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测试曲线:

SCM-7060-272-F



SCM-7060-302-F





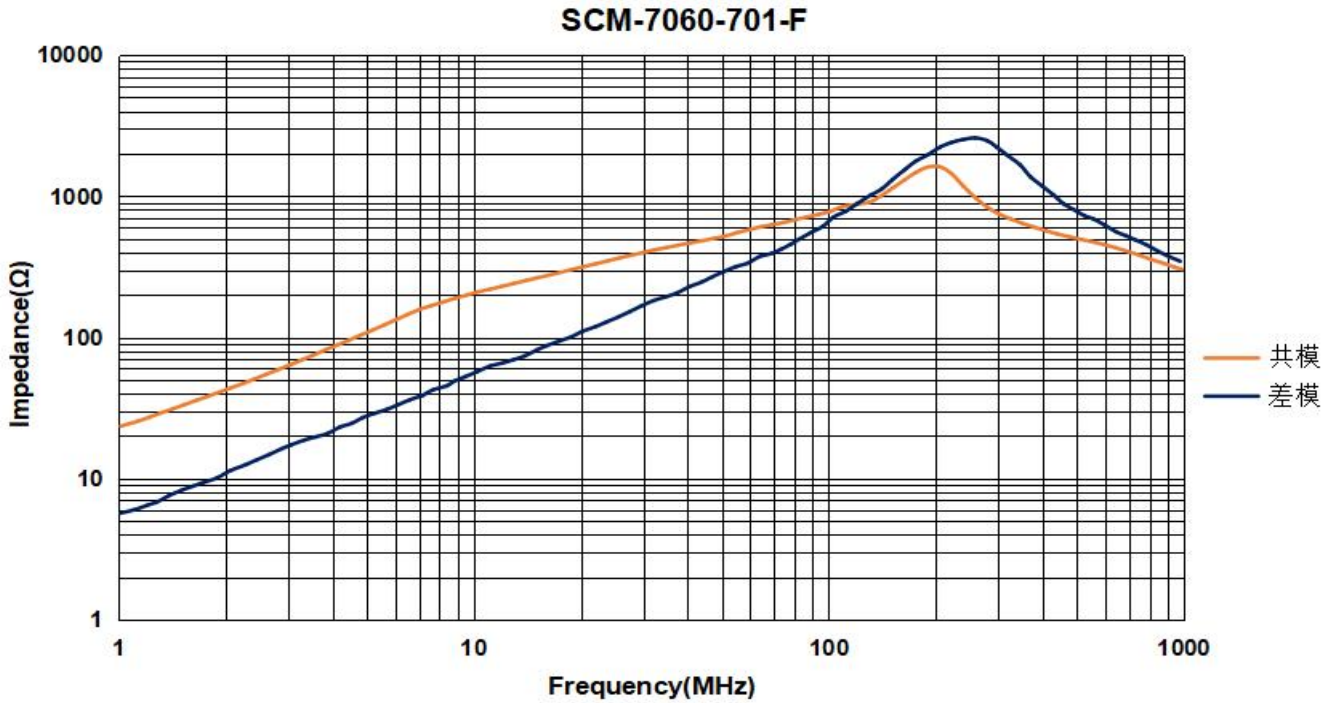
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測試曲線:







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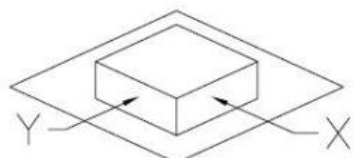
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#### 可靠性测试:

|   |   |
|---|---|
| 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 |   |





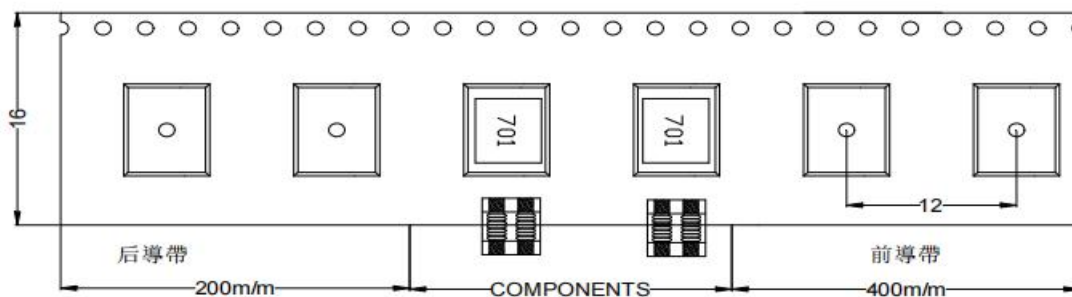
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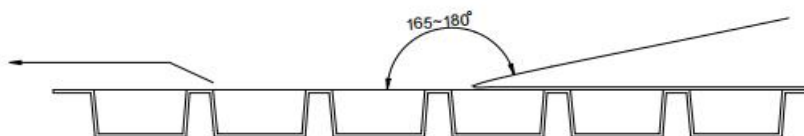
编带规格:



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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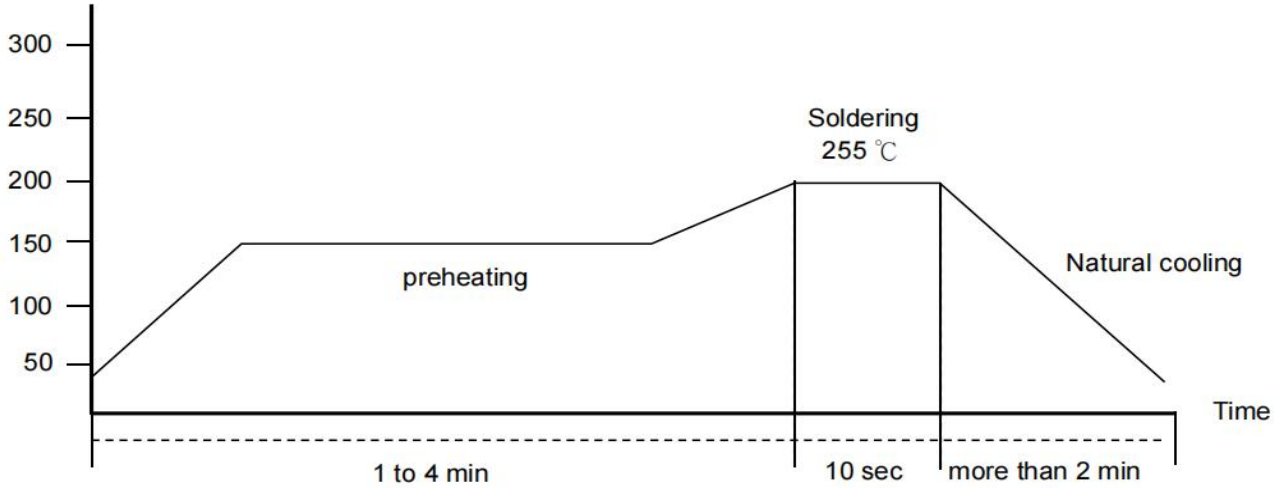
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#### 回流焊:

Temperature °C



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