

## 产品承认书

## Specification For Approved

版本: REV.A00

|                                |                        |
|--------------------------------|------------------------|
| 客户名称/Customer name:            | N/A                    |
| 客户品名/Customer name:            | N/A                    |
| 客户型号/Customer Model number:    | N/A                    |
| 客户料号/Customer material number: | N/A                    |
| 巨维品名/JW name:                  | Common mode inductance |
| 巨维型号/JW Model number:          | HMSC0904 B-UC Series   |
| 巨维料号/JW Material number:       | N/A                    |

| 巨维签署/JW Signed    |                  |                   | 客户承认/Customer Approval |                  |                   |
|-------------------|------------------|-------------------|------------------------|------------------|-------------------|
| 制定<br>Prepared By | 审核<br>Checked By | 批准<br>Approved By | 确认<br>Confirm By       | 审核<br>Checked By | 承认<br>Approved By |
| 唐秀玲               | 王瑞琳              | 欧奇林               |                        |                  |                   |
| 2024.8.22         | 2024.8.22        | 2024.8.22         |                        |                  |                   |

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JS-RD-SPEC-001/A0

深圳市巨维科技有限公司  
Shenzhen Ju Wei Technology Co., Ltd

|                      |     |                    |                           |                    |               |
|----------------------|-----|--------------------|---------------------------|--------------------|---------------|
| 客户名称<br>Customer     | N/A | 品名<br>Name         | Common mode<br>inductance | 版本<br>Ver.         | A00           |
| 客户型号<br>Model No.    | N/A | 料号<br>Material No. | N/A                       | 日期<br>Date         | 2024.8.22     |
| 客户料号<br>Customer No. | N/A | 型号<br>Model No.    | HMSC0904 B-UC<br>Series   | 发行号<br>Release No. | JS-S-24082215 |

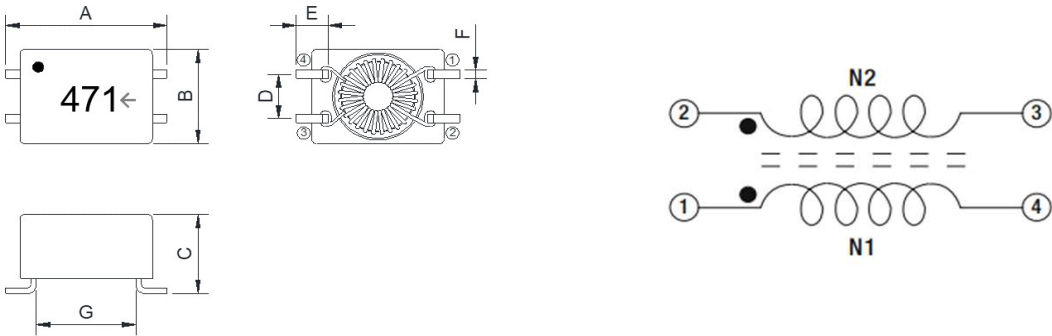
变更履历/Modify Record

| 版本<br>Ver. | 变更内容/Change content | 日期<br>Date | 制定<br>Prepared By | 审核<br>Checked By |
|------------|---------------------|------------|-------------------|------------------|
| A00        | 新发行/New release     | 2024.8.22  | 唐秀玲               | 王瑞琳              |
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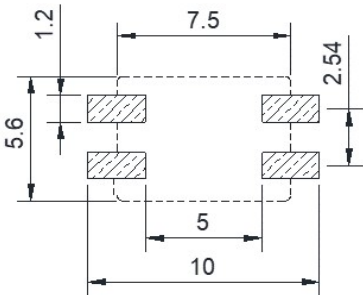
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1. 产品形状尺寸(单位:毫米)/Product Shape size(Unit:mm):



| Series   | Dimensions(mm) |         |         |          |        |        |        |
|----------|----------------|---------|---------|----------|--------|--------|--------|
|          | A              | B       | C       | D        | E      | F      | G      |
| HMSC0904 | 9.0±0.3        | 5.4±0.3 | 4.6±0.3 | 2.54±0.2 | 1.8Typ | 0.5Typ | 5.5Typ |

参考基板尺寸/Reference land pattern (mm)



|                      |     |                    |                           |                    |               |
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2. 品名型号命名指南/Nomenclature guidelines for product models:

|          |                                                                                          |             |  |             |  |          |   |            |  |          |   |          |
|----------|------------------------------------------------------------------------------------------|-------------|--|-------------|--|----------|---|------------|--|----------|---|----------|
| <u>J</u> | -                                                                                        | <u>HMSC</u> |  | <u>0904</u> |  | <u>A</u> | - | <u>101</u> |  | <u>P</u> | - | <u>X</u> |
| ①        |                                                                                          | ②           |  | ③           |  | ④        |   | ⑤          |  | ⑥        |   | ⑦        |
| ①        | 公司名称代码/Company name code                                                                 |             |  |             |  |          |   |            |  |          |   |          |
| J        | 巨晟电子代码/JUSHENG electronic code                                                           |             |  |             |  |          |   |            |  |          |   |          |
| ②        | 产品系列代码/Product family code                                                               |             |  |             |  |          |   |            |  |          |   |          |
| HMSC     | 共模电感/COMMON MODE CHOKE                                                                   |             |  |             |  |          |   |            |  |          |   |          |
| ③        | 产品外形尺寸(毫米)/Product dimension(mm)                                                         |             |  |             |  |          |   |            |  |          |   |          |
| 0904     | 长9.0*宽5.4*高4.6毫米/Length9.0*Width5.4*Height4.6mm                                          |             |  |             |  |          |   |            |  |          |   |          |
| ④        | 外观形状区分代码, 请参考产品形状尺寸页面                                                                    |             |  |             |  |          |   |            |  |          |   |          |
| A        | Appearance shape distinguishes the code ,Please refer to the product shape and size page |             |  |             |  |          |   |            |  |          |   |          |
| ⑤        | 阻抗/IMPEDANCE                                                                             |             |  |             |  |          |   |            |  |          |   |          |
| 900      | 100(10Ω) , 101(100Ω) ,                                                                   |             |  |             |  |          |   |            |  |          |   |          |
| ⑥        | 电感容差字母代码/Inductance tolerance letter code                                                |             |  |             |  |          |   |            |  |          |   |          |
| P        | (省略不标识)                                                                                  |             |  |             |  |          |   |            |  |          |   |          |
| ⑦        | 内部管理代码/Internal management code                                                          |             |  |             |  |          |   |            |  |          |   |          |
| X        | 无代码为常规产品, 其它请咨询/No code regular product, other please consult                            |             |  |             |  |          |   |            |  |          |   |          |

3. 耐温等级/Temperature resistance class:

工作温度: -40℃~ +105℃(含自温升)  
Operating Temperature : -40℃~ +105℃(Including self - temperature rise)

|                      |     |                    |                        |                    |               |
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4. 电气性能表/Electrical Characteristics List:

HMSC0904 B-UC Series

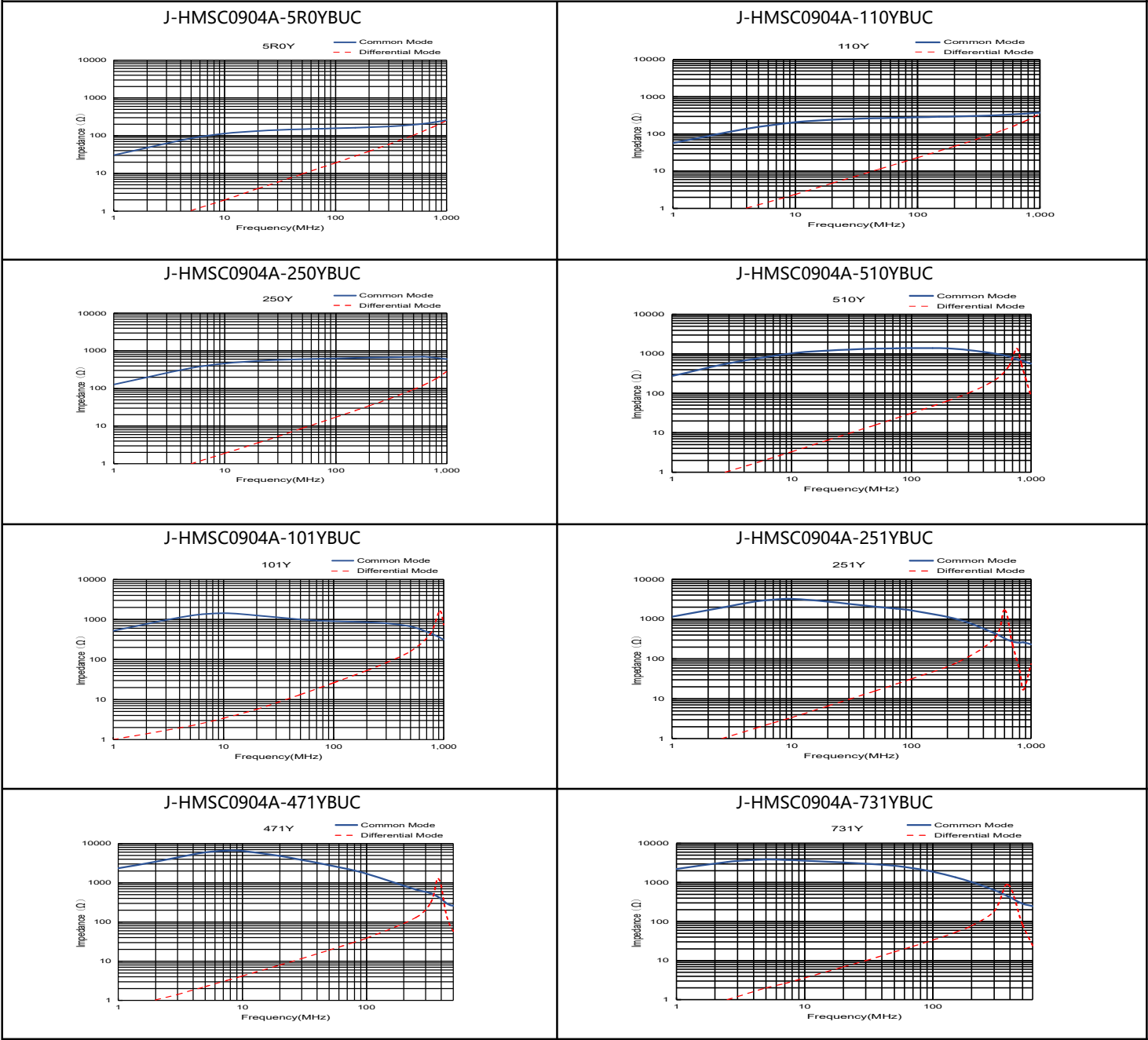
| NO. | Part Number         | Inductance<br>(uH)<br>电感值 | LeakageInd.<br>Inductance<br>(uH)<br>Typ.<br>漏感 | D.C.R<br>(Ω)<br>max.<br>直流电阻 | Rated<br>Voltage<br>(Vdc)<br>max.<br>额定电压 | Rated<br>Current<br>(A)<br>额定电流 | Impedance<br>阻抗值            |                      |
|-----|---------------------|---------------------------|-------------------------------------------------|------------------------------|-------------------------------------------|---------------------------------|-----------------------------|----------------------|
|     |                     |                           |                                                 |                              |                                           |                                 | Frequency<br>Range<br>(MHz) | Min.<br>Value<br>(Ω) |
| 1   | J-HMSC0904A-5R0YBUC | 5 ±30%                    | 0.08                                            | 0.08                         | 80.00                                     | 1.20                            | 20 - 500                    | 100                  |
| 2   | J-HMSC0904A-110YBUC | 11 ±30%                   | 0.10                                            | 0.10                         | 80.00                                     | 1.00                            | 20 - 500                    | 200                  |
| 3   | J-HMSC0904A-250YBUC | 25 ±30%                   | 0.12                                            | 0.11                         | 80.00                                     | 0.80                            | 20 - 500                    | 400                  |
| 4   | J-HMSC0904A-510YBUC | 51 ±30%                   | 0.15                                            | 0.12                         | 80.00                                     | 0.80                            | 20 - 300                    | 800                  |
| 5   | J-HMSC0904A-101YBUC | 100 +50%/-30%             | 0.16                                            | 0.13                         | 80.00                                     | 0.70                            | 5 - 100                     | 600                  |
| 6   | J-HMSC0904A-251YBUC | 250 +50%/-30%             | 0.18                                            | 0.16                         | 80.00                                     | 0.70                            | 3 - 100                     | 1000                 |
| 7   | J-HMSC0904A-471YBUC | 470 +50%/-30%             | 0.20                                            | 0.20                         | 80.00                                     | 0.70                            | 2 - 50                      | 1500                 |
| 8   | J-HMSC0904A-731YBUC | 730 +50%/-30%             | 0.23                                            | 0.20                         | 80.00                                     | 0.70                            | 2 - 30                      | 2000                 |
| 9   | J-HMSC0904A-102YBUC | 1000 +50%/-30%            | 0.25                                            | 0.20                         | 80.00                                     | 0.70                            | 1-20                        | 2500                 |
| 10  | J-HMSC0904A-222YBUC | 2200 +50%/-30%            | 0.30                                            | 0.40                         | 80.00                                     | 0.50                            | 1-10                        | 3000                 |
| 11  | J-HMSC0904A-302YBUC | 3000 +50%/-30%            | 0.40                                            | 0.48                         | 80.00                                     | 0.40                            | 1-5                         | 4000                 |
| 12  | J-HMSC0904A-472YBUC | 4700 +50%/-30%            | 0.45                                            | 0.55                         | 80.00                                     | 0.40                            | 1-5                         | 5000                 |
| 13  |                     |                           |                                                 |                              |                                           |                                 |                             |                      |
| 14  |                     |                           |                                                 |                              |                                           |                                 |                             |                      |
| 15  |                     |                           |                                                 |                              |                                           |                                 |                             |                      |
| 16  |                     |                           |                                                 |                              |                                           |                                 |                             |                      |
| 17  |                     |                           |                                                 |                              |                                           |                                 |                             |                      |

Test remarks:

- 1.Test condition: 5-1000μH,100KHz/0.1V; 2000-4700μH,10KHz/0.1V,All data is tested based on 25℃ ambient temperature.
- 2.Impedance measure condition reference frequency range.
- 3.Leakage inductance is for L1 and is measured with L2 shorted.
- 4.Rated current: the value of DC current when the temperature rise is AT40℃(Ta=25℃).

|                      |     |                    |                        |                    |               |
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5. 阻抗值 VS 频率曲线/Impedance vs Frequency Curve



|                      |     |                    |                        |                    |               |
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