



深圳市顺翔诺电子有限公司

SHENZHEN SHUNXIANGNUO ELECTRONICS CO.,LTD.



产品承认书
SPECIFICATION FOR APPROVAL

| | |
|------------------------------|-------------------------|
| 客户名称 <i>CUSTOMER NAME</i> | ----- |
| 产品类型 <i>PRODUCT TYPE</i> | Common Mode Line Filter |
| 客户料号 <i>CUSTOMER P/N</i> | 9070 |
| 顺翔诺料号 <i>SXN P/N</i> | SMCM9070-SERIES |
| 文件编号 <i>FILE NO.</i> | SP-18122003 |

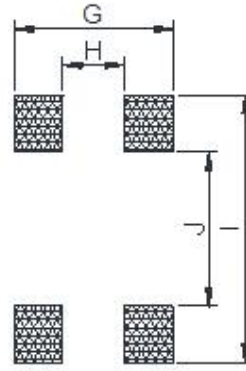
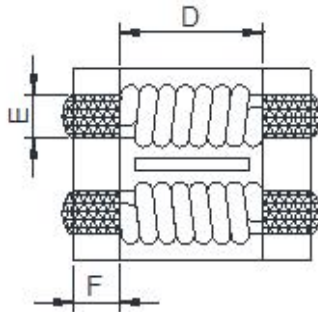
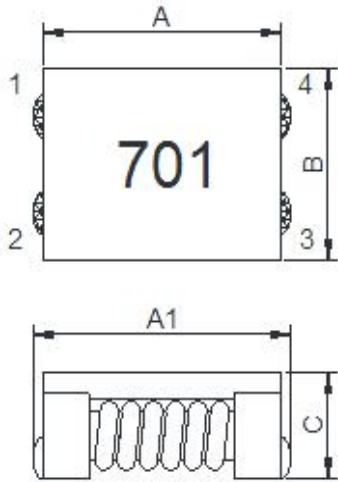
| | | |
|--------------------------------|----------------------|---------------------|
| 客户承认/ <i>CUSTOMER ACCEPTED</i> | | |
| 承认 <i>APPROVED</i> | 确认 <i>CHECKED</i> | 承办 <i>DESIGN</i> |
| | | |
| 批注/ <i>REMARK</i> | | |

| | | |
|---|----------------------|---------------------|
| 批准 <i>APPROVED</i> | 确认 <i>CHECKED</i> | 作成 <i>DESIGN</i> |
| | | |
| 业务专线：0755-23760960 13713798056 官网：www.sxndz.com 邮 件：13713798056@163.com 地 址：深圳市龙华福城街道福前路下新塘37号深澜产业园3栋3楼 | | |

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一.外观图/DIMENSION (单位/UNIT : mm)



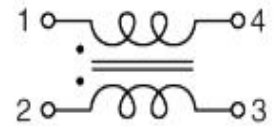
Pad Layout

| | |
|----|----------|
| A | 9.0 ±0.5 |
| A1 | 9.5 ±0.5 |
| B | 7.0 ±0.5 |
| C | 4.8 Max |
| D | 5.6 Typ |
| E | 1.5 Typ |
| F | 1.7 Typ |
| G | 5.5 Typ |
| H | 1.5 Typ |
| I | 10.5 Typ |
| J | 5.0 Typ |
| | |

二.注意事项/NOTE :

- 1.印字：白色Gulim 9.5#字体
- 2.平整度：0.1mm MAX

三.电路图/CIRCUIT DIAGRAM



四.电气特性/ELECTRICAL CHARACTERISTIC

| Part Number | Impedance (Ω) @100MHz | | DC Resistance (mΩ) Max | Rated Current (A) Max | Rated Voltage (V) Max | Insulation Resistance (MΩ) Min | Marking |
|---------------|-----------------------|------|------------------------|-----------------------|-----------------------|--------------------------------|---------|
| | MIN | TYP | | | | | |
| SMCM9070-301T | 225 | 300 | 6 | 6.0 | 80 | 10 | 301 |
| SMCM9070-501T | 450 | 600 | 8 | 5.5 | 80 | 10 | 501 |
| SMCM9070-701T | 500 | 700 | 10 | 5.0 | 80 | 10 | 701 |
| SMCM9070-102T | 750 | 1000 | 13 | 4.0 | 80 | 10 | 102 |
| SMCM9070-222T | 1700 | 2200 | 50 | 3.0 | 80 | 10 | 222 |
| SMCM907F-272T | 2000 | 2700 | 80 | 2.0 | 80 | 10 | 272 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

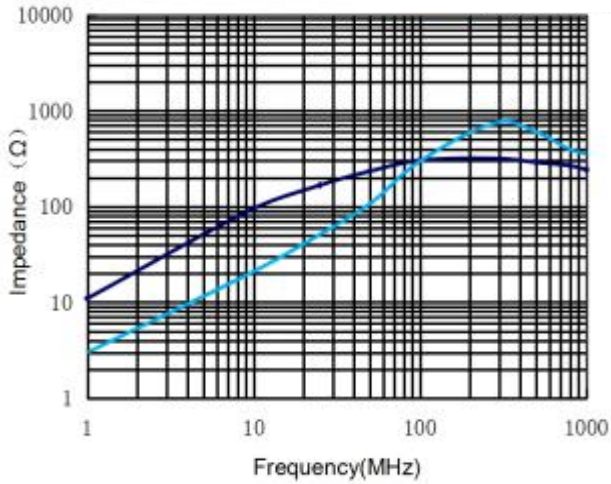
- (1).Rated Current: Temp.rise 40°C Typ
- (2).Operating Temperature: -40°C up to +125°C
- (3).Storage Temperature: -40°C up to +125°C, 75% RH max.

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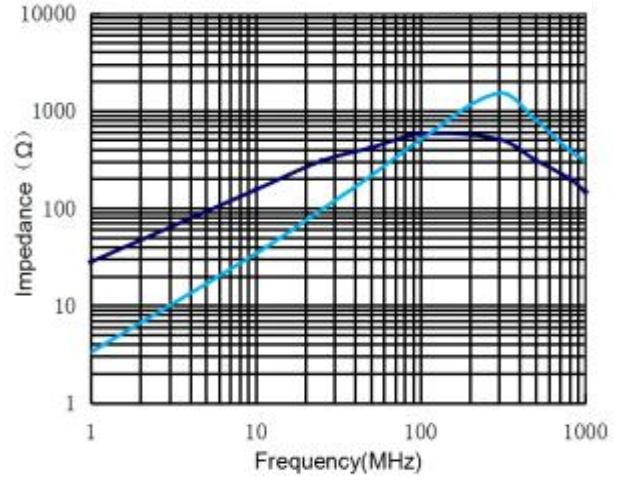
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五.特征曲线/CHARACTERISTICS(REFERENCE)

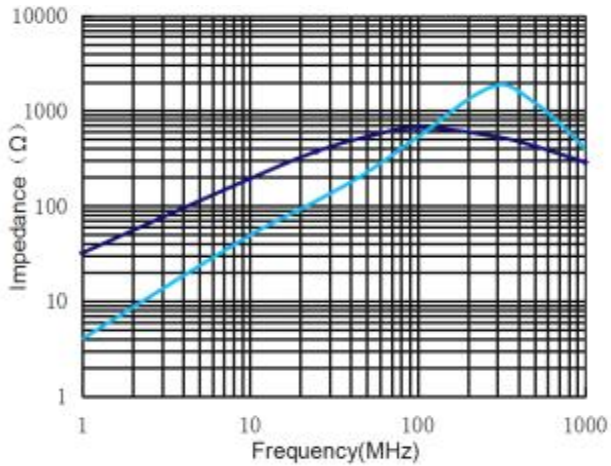
SMCM9070-301



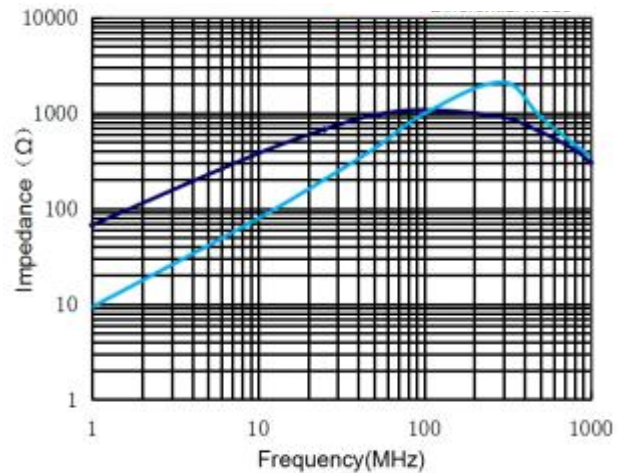
SMCM9070-501



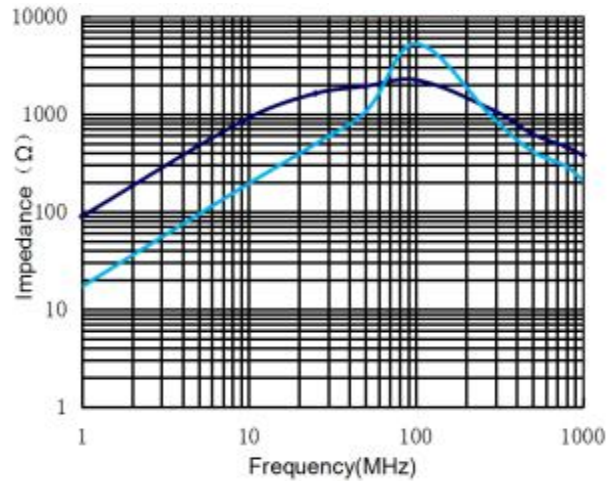
SMCM9070-701



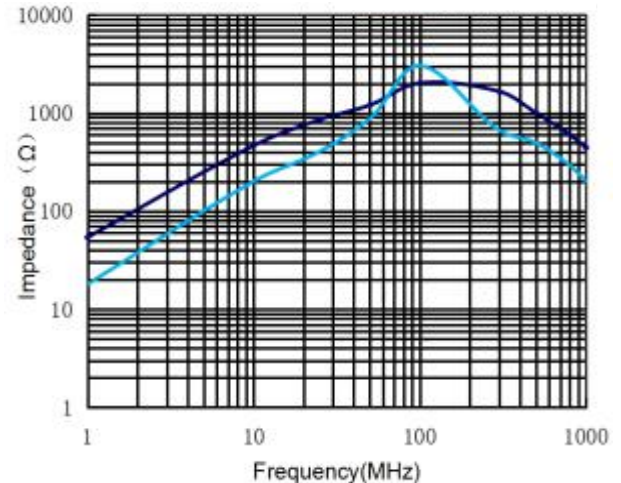
SMCM9070-102



SMCM9070-222



SMCM9070-272

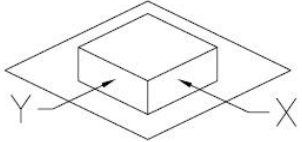


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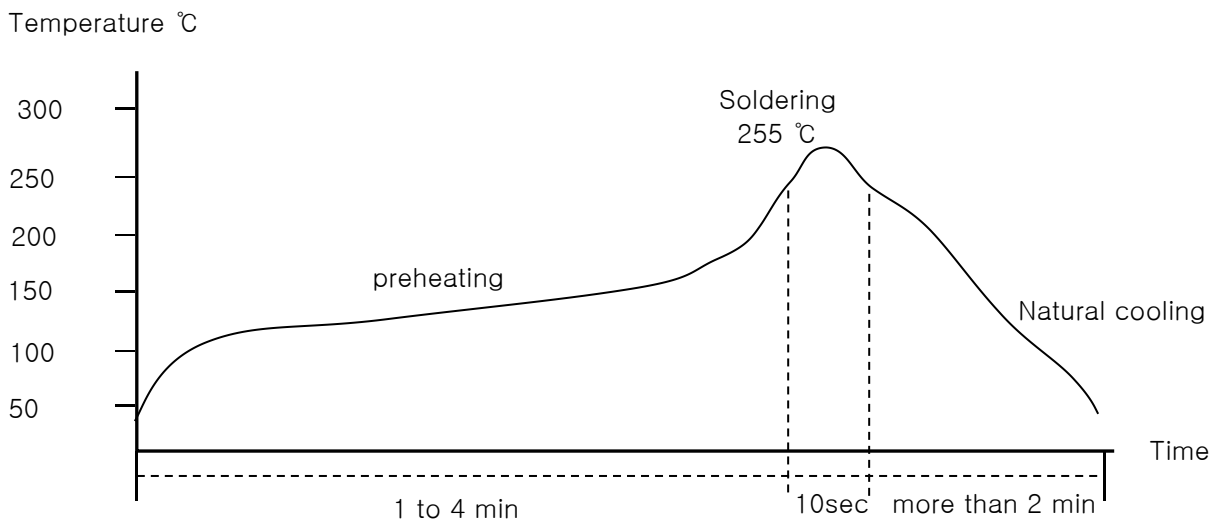
六.可靠性测试/RELIABILITY TESTING

| | |
|------------------------------------|--|
| Operating Temperature | - 40 to +125 °C (Contain Heating coil) |
| Appearance Inspection | No external defects by visual inspection |
| Terminal Strength | After soldering , between copper plaet and terminals of coils , push in two directions of X , Y with standing 10N(1.02kg) for10+/-2 sec. Terminal should not peel off. (Refer to figure at right) |
| Heat endurance of reflow soldering | 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 (- 40~ + 125 °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

IR Reflow profile



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

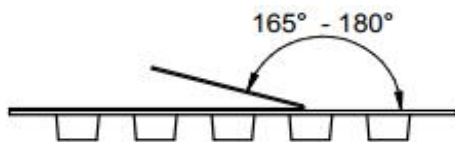
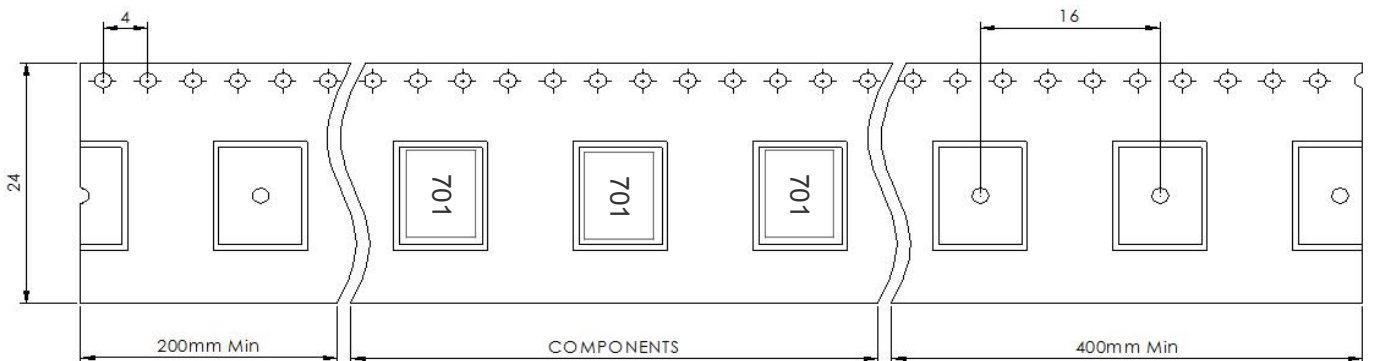
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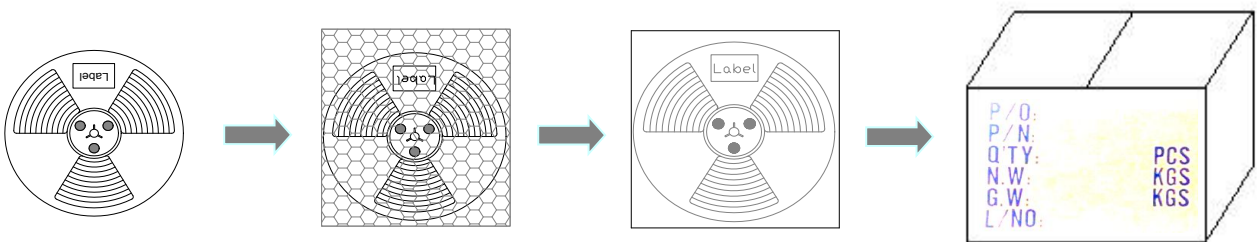
七.材料清单/MATERIAL LIST

| NO. | ITEM | DESCRIPTION | SUPPLIER |
|-----|----------|-------------|-------------------|
| 1 | CORE | FERRITE | FENGYIN OR EQ |
| 2 | CASE | LCP | LIAN CHENG OR EQ |
| 3 | WIRE | P180 Grd1 | ELEKTRISOLA OR EQ |
| 4 | ADHESIVE | EPOXY RESIN | PENGNO OR EQ |
| 5 | TIN | 107H | SHENMAO OR EQ |
| 6 | INK | WHITE | BON MARQUE OR EQ |

八.包装规格/PACKING SPECIFICATIONS



| Tape width | Distance | Pull-of force |
|------------|----------|---------------|
| 24 mm | 16 mm | 10~120g |



轮盘：13'(直径330mm)
数量：700PCS/盘

PE袋
数量：1400PCS/袋

内盒
数量：1400PCS/盒

外箱，数量：7000PCS/箱
不足整箱用内盒或填充物
装满

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[UALSC0120G0000](#) [UAL24VK06450CH](#) [UAL11VL1105000](#) [RN112-3.6-02-0M4](#) [RN114-1.2-02-10M](#) [RN122-0.6-02-47M](#) [RN122-3-02-4M5](#)
[RN142-1-02-33M](#) [RN214-2.5-02-3M3](#) [RN112-2-02-1M0](#) [RN143-6-02-1M8](#) [RN214-0.8-02-27M](#) [RN242-1.4-02-27M](#) [EXC-X4CH120X](#)
[DLW5BTM102TQ2L](#) [CMF16-153131](#) [CMF23H-273141](#) [744252510](#) [B82793C0253N201](#)