

申请单号：



ACME Electronics Corporation

越峰電子材料股份有限公司

客户

CUSTOMER

PLATAN

日期

DATE

2024/4/27

认 可 书

SPECIFICATION FOR APPROVAL

|                         |                |
|-------------------------|----------------|
| 客 户 品 名<br>CUSTOMER P/N | 7448041801     |
| 越峰品名<br>ACME P/N        | AMBRC24070BX-W |
| 版本号<br>REV. NO.         | 0              |



为保证订单顺利完成，请在一个月内签回。否则，将默认贵司同意依此份认可书内容制作您所有此规格的订单产品。

In order to ensure the leadtime for your order, pls confirm and sign this spec for ACME within one month while you received it. Or else, it means that you have approved this spec, and you have agreed with that ferrite cores from your order be produced according to this spec.

客户认可 APPROVED BY：

如有客户品码（料号），请填写在下

客户品码（料号）：

CUSTOMER P/N

厂别 Factory

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|             |            |             |
|-------------|------------|-------------|
| 批准          | 审核         | 拟制          |
| APPROVED BY | CHECKED BY | PREPARED BY |
| Jeff        | Jeff       | Jackson     |

AR01-60106-0

申請單號：



# ACME Electronics Corporation

越峰電子材料股份有限公司

## 历史变更记录

## REVISION RECORDS LIST

|              |        |              |                |
|--------------|--------|--------------|----------------|
| 客户 CUSTOMER: | PLATAN | CUSTOMER P/N | 7448041801     |
|              |        | ACME P/N     | AMBRC24070BX-W |

更改记录 REVISION RECORD:

|                          |                                                 |                                         |                             |
|--------------------------|-------------------------------------------------|-----------------------------------------|-----------------------------|
| 版本号<br>REV. NO.<br><br>0 | 更改内容及原因<br>CONTENTS AND REASONS<br><br>NEW SPEC | 日期<br>DATE OF APPROVAL<br><br>2024/4/27 | 担当<br>DRAWN<br><br>Jeff Liu |
|--------------------------|-------------------------------------------------|-----------------------------------------|-----------------------------|



# ACME Electronics Corporation

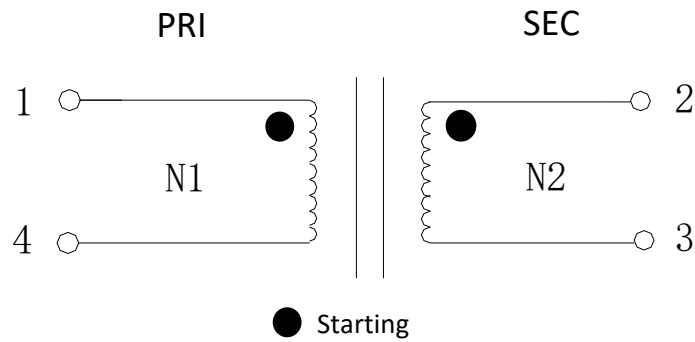
[illegible]



## 1. 绕线数据表 Winding Data

| 绕组编号<br>Coil No. | 开始<br>Start | 结束<br>Finish | 圈数<br>Turns  | 绕线方向<br>Direction | 漆包线<br>Wire                | 层数<br>Layer | 备注<br>Remarks |
|------------------|-------------|--------------|--------------|-------------------|----------------------------|-------------|---------------|
| N1               | 1           | 4            | 6.0<br>(REF) | Close             | PEW/F $\Phi 1.5 \times 1P$ | 1           |               |
| N2               | 2           | 3            | 6.0<br>(REF) | Close             | PEW/F $\Phi 1.5 \times 1P$ | 1           |               |

## 2. 原理及绕线图 Circuit Diagram



### NOTE :

1. The winding should be smooth, there can be no crossing, and the copper wire should not be broken. °
2. The well-wound products should be neatly arranged and cannot be stacked and squeezed together. °

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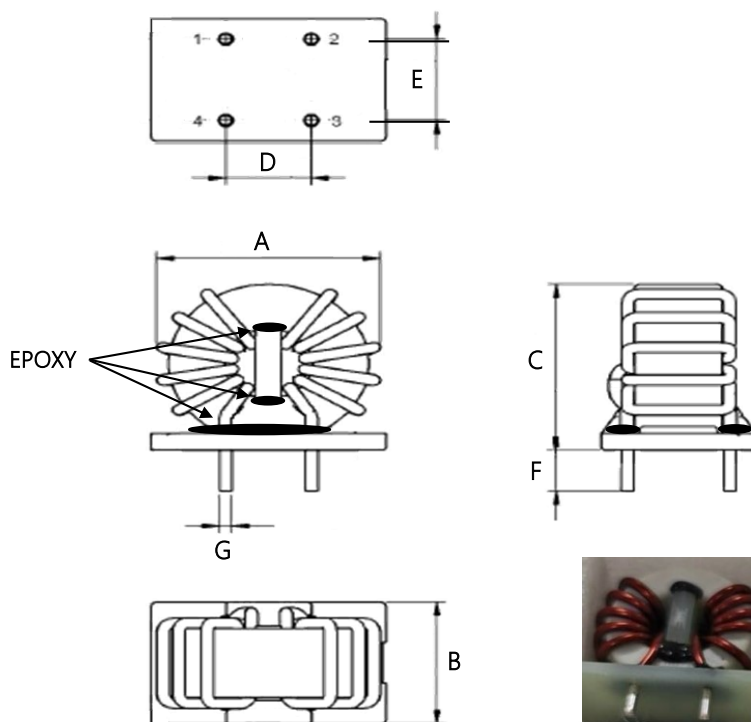
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### 3.外形尺寸Outer Dimension(mm)



#### NOTE :

1. Partition: L11mm\*11mm\*3.0mm, FR-4 .
2. Base plate: L28mm\*18mm\*2.0mm, FR-4 .
3. The bottom of the partition is fixed with the black glue at the point of the inlet and outlet lines .

### 4.电气性能测试Electrical test

| 项目Item             | L1<br>(1-4) | L2<br>(2-3) | DCR<br>(1-4) | DCR<br>(2-3) | Hi-Pot<br>(COIL-COIL)   | Rated Current<br>@70°C |  |  |  |
|--------------------|-------------|-------------|--------------|--------------|-------------------------|------------------------|--|--|--|
| 规格Specification    | 1.5mH       | 1.5mH       | 3.2mΩ        | 3.2mΩ        | 1.5KVAC/2.0mA<br>/ 2sec | 18A                    |  |  |  |
| Tolerance 公差:      | +50/-30%    | +50/-30%    | MAX          | MAX          |                         | MAX                    |  |  |  |
| 测试条件Test Condition | 10KHz/0.1V  |             | 25°C         |              | 50Hz                    |                        |  |  |  |
| 样品1Sample1         | 1.71        | 1.71        | 2.07         | 2.07         | ok                      |                        |  |  |  |
| 样品2Sample2         | 1.51        | 1.51        | 2.07         | 2.07         | ok                      |                        |  |  |  |
| 样品3Sample3         | 1.70        | 1.70        | 2.07         | 2.08         | ok                      |                        |  |  |  |
| 样品4Sample4         |             |             |              |              |                         |                        |  |  |  |
| 样品5Sample5         |             |             |              |              |                         |                        |  |  |  |
| 样品最小值Min           | 1.51        | 1.51        | 2.07         | 2.07         |                         |                        |  |  |  |
| 样品最大值Max           | 1.71        | 1.71        | 2.07         | 2.08         |                         |                        |  |  |  |
| Range R差           | 0.20        | 0.20        | 0.0          | 0.0          |                         |                        |  |  |  |
| 样品平均值Average       | 1.64        | 1.64        | 2.1          | 2.1          |                         |                        |  |  |  |

### 5.机械尺寸测试Mechanical test (单位Unit:mm)

| 项目Item          | A      | B      | C      | D      | E      | F     | G     |  |  |  |  |
|-----------------|--------|--------|--------|--------|--------|-------|-------|--|--|--|--|
| 规格Specification | 30.0mm | 19.0mm | 30.0mm | 10.0mm | 12.0mm | 5.0mm | 1.5mm |  |  |  |  |
| Tolerance 公差:   | MAX    | MAX    | MAX    | ±0.5   | ±0.5   | ±0.5  | REF   |  |  |  |  |
| 样品1Sample1      | 27.89  | 18.06  | 23.95  | 10.14  | 11.88  | 4.82  | 1.48  |  |  |  |  |
| 样品2Sample2      | 28.04  | 17.98  | 23.94  | 10.24  | 11.99  | 4.61  | 1.48  |  |  |  |  |
| 样品3Sample3      | 28.02  | 18.01  | 24.05  | 10.12  | 12.03  | 4.71  | 1.49  |  |  |  |  |
| 样品4Sample4      |        |        |        |        |        |       |       |  |  |  |  |
| 样品5Sample5      |        |        |        |        |        |       |       |  |  |  |  |
| 样品最小值Min        | 27.89  | 17.98  | 23.94  | 10.12  | 11.88  | 4.61  | 1.48  |  |  |  |  |
| 样品最大值Max        | 28.04  | 18.06  | 24.05  | 10.24  | 12.03  | 4.82  | 1.49  |  |  |  |  |
| Range R差        | 0.15   | 0.08   | 0.11   | 0.12   | 0.15   | 0.21  | 0.01  |  |  |  |  |
| 样品平均值Average    | 27.98  | 18.02  | 23.98  | 10.17  | 11.97  | 4.71  | 1.48  |  |  |  |  |

工作温度Operating temperature : -40°C ~ 125°C

|              |                |
|--------------|----------------|
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6.材料明细Material Data

| 材料<br>Material | 描述<br>Description    | 温度<br>Temperature | 材质<br>Material | 材料供应商<br>material supplier                                                | UL No.  |
|----------------|----------------------|-------------------|----------------|---------------------------------------------------------------------------|---------|
| Core           | AMORPHOUS<br>20*13*8 | N/A               | 1K107B         | QingDao YunLu Advanced<br>materials Technology Co. · LTD<br>OR EQUIVALENT |         |
| Wire           | PEW                  | 155°C             | F              | JINTIAN COPPER CO.,LTD OR<br>EQUIVALENT                                   | E227047 |
| Epoxy          | HF QDJ600(W)         | 130°C             |                | HUI ZHOU QIANG DA<br>ELECTRONICS INDUSTRY CO LTD<br>OR EQUIVALENT         | E351561 |
| Solder         | Sn-Cu0.7             | N/A               |                | DONGGUAN CITY THOUSAND<br>ISLAND METAL FOIL CO.,LTD OR<br>EQUIVALENT      |         |
| PCB            | KB-6165F             | 130°C             | FR-4           | KINGBOARD LAMINATES<br>HOLDINGS LTD OR EQUIVALENT<br>OR EQUIVALENT        | E123995 |

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## 7. 包装方式Packaging

### TRAY

1. QUANTITY PER TRAY:  $6 \times 5 = 30$  PCS
2. TRAY DIMENSIONS: L245\*W195\*H20mm

### INNER BOX

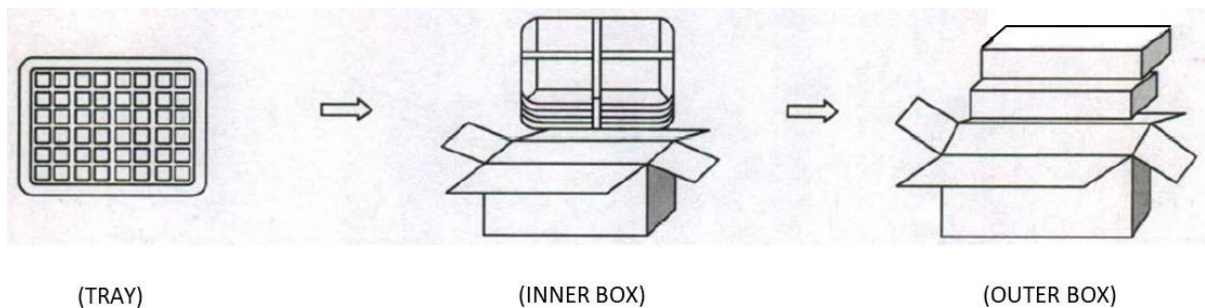
1. QUANTITY PER INNER BOX:  $30 \times 2 = 60$  PCS
2. INNER BOX DIMENSIONS: L265\*W205\*H48mm
3. Stack 2 trays on top of each cardboard

### OUTER BOX

1. QUANTITY PER OUTER BOX: 420 PCS (7 INNER BOXES)
2. OUTER BOX DIMENSIONS: 285mm\*215mm\*360mm

Pack Weight : G.W 9.5 Kg (19g/pcs)

MARKING ON INNER/OUTER BOX :



|              |  |
|--------------|--|
| CUSTOMER P/N |  |
| ACME P/N     |  |

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