

# 规格承认书

SPECIFICATION FOR APPROVAL

CUSTOMER: 浙江亚特电器有限公司

DESCRIPTION: TRANSFORMER

PART/NO: 8420-805601 (ER3542-300uH)

ISSNE DATE: 2018. 9. 28

| 编制<br>DRAWING             |               |                |
|---------------------------|---------------|----------------|
| MADC<br>发行                | CHECKED<br>审核 | APPROVED<br>核准 |
| 曹二帅                       | 黄雁飞           | 顾海锋            |
| DATE: 2018年09月28日 ENG 工程部 |               |                |

| 客户确认印签<br>CUSTOMER APPROVED    |
|--------------------------------|
|                                |
| NOTE: SIGN BAKE AFTER APPROVED |

## 海宁德科隆电子有限公司

HAINING DECALONG ELECTRONICS CO., LTD

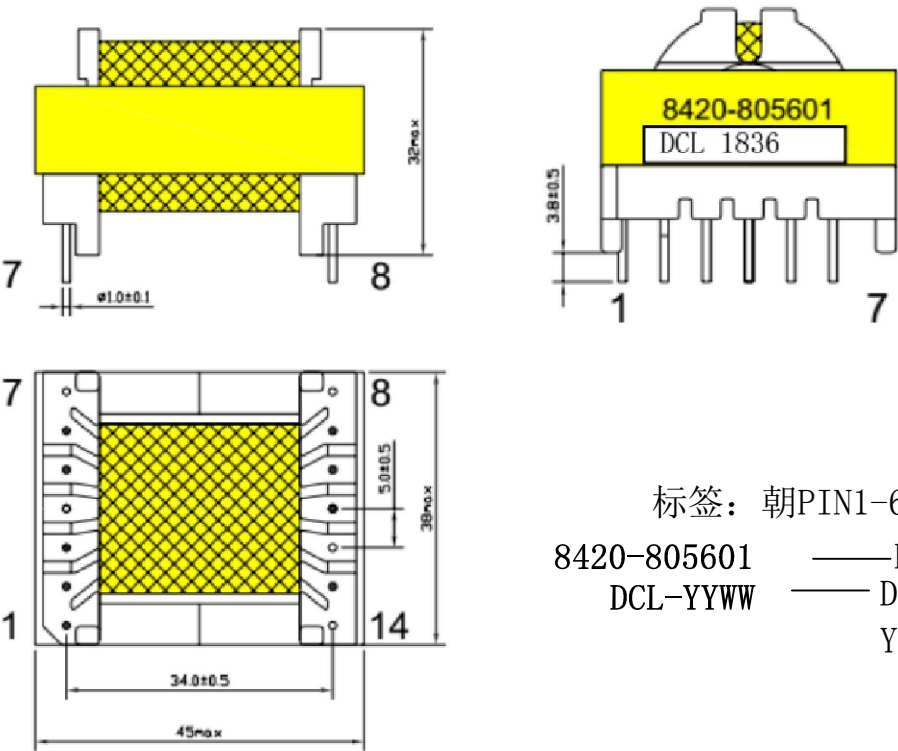
地址: 浙江省海宁市庆云工业园云和路8号 邮编: 314406

ADD. NO. 8 YUNHE ROAD, QINGYUN INDUSTRIAL PARK, HAINING, ZHEJIANG

TEL: 86-0573-87985923

FAX: 86-0573-87985921

1. PRODUCT DRAWING



标签：朝PIN1-6侧

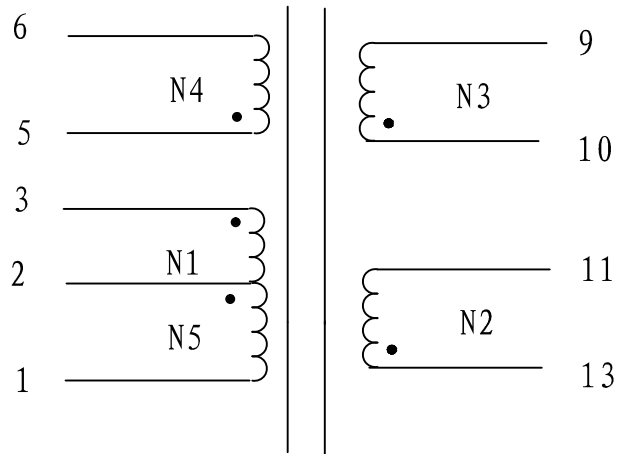
8420-805601 ———Part No.  
DCL-YYWW ———DCL代表公司简称  
YYWW代表年周.

NOTE:

- 1. PIN4. 7. 8. 12. 14拔掉 PIN2剪掉2/3.
- 2. 成品须真空含浸, 缠脚不能超出支撑点。
- 3. 磁芯先用0.025\*11mm胶带包2TS固定.

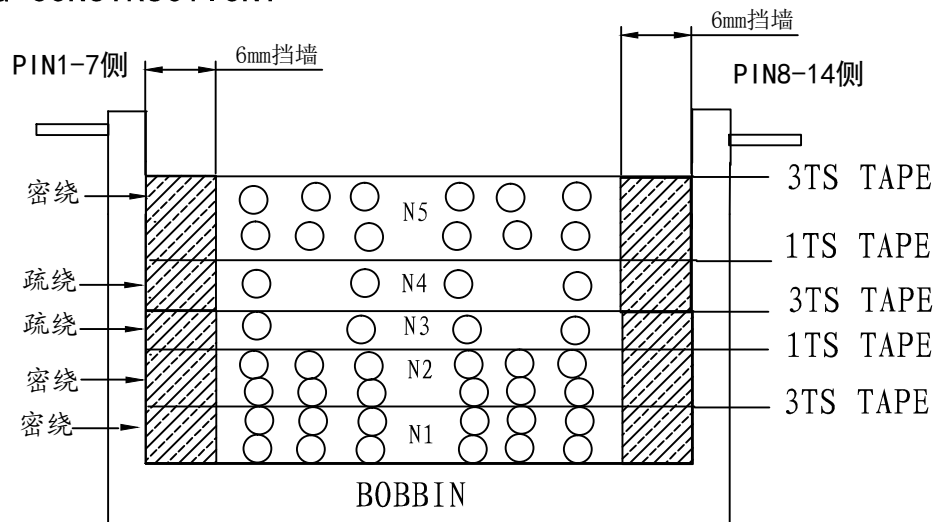
|                                      |         |          |             |              |      |             |
|--------------------------------------|---------|----------|-------------|--------------|------|-------------|
| HAINING DECALONG ELECTRONIC CO., LTD |         |          | DESCRIPTION | TRANSFORMER  | DATE | 2018. 9. 28 |
| DESIGNER                             | CHECKED | APPROVED | TYPE/NO.    | ER3542-300uH | REV. | 1. 0        |
| 赵红敏                                  | 黄雁飞     | 顾海锋      | PART/NO.    | 8420-805601  | PAGE | 1/4         |

2. CIRCUIT DIAGRAM:



● START

3. WINDING CONSTRUCTION:



|                                       |         |          |             |              |      |             |
|---------------------------------------|---------|----------|-------------|--------------|------|-------------|
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#### 4. WINDING SPECIFICATIONS

| NO. | PIN NO. |    | MARGIN TAPE |         | TURNS&GAUGE    |       | WINDING METHOD | INSULATION TAPE |       |
|-----|---------|----|-------------|---------|----------------|-------|----------------|-----------------|-------|
|     | S       | F  | THICKNESS   |         | WIRE GAUGE     | TURNS |                | THICKNESS       | TURNS |
|     |         |    | PIN1-7      | PIN8-14 |                |       |                |                 |       |
| N1  | 3       | 2  | 6mm         | 6mm     | φ0.40*3P 2UEWF | 18TS  | 密绕             | 0.025*26mm      | 3TS   |
| N2  | 13      | 11 | 6mm         | 6mm     | φ0.25*9P 2UEWF | 19TS  | 密绕             | 0.025*26mm      | 1TS   |
| N3  | 10      | 9  | 6mm         | 6mm     | φ0.25*1P 2UEWF | 8TS   | 均匀散绕           | 0.025*26mm      | 3TS   |
| N4  | 5       | 6  | 6mm         | 6mm     | φ0.25*1P 2UEWF | 16TS  | 均匀散绕           | 0.025*26mm      | 1TS   |
| N5  | 2       | 1  | 6mm         | 6mm     | φ0.40*3P 2UEWF | 18TS  | 密绕             | 0.025*26mm      | 3TS   |

1. 绕线方向为PIN1-7朝机台外，顺时针绕制。

#### 5. ELECTRICAL CHARACTERISTICS

| NO | ITEMS                 | TERMINAL                              | STANDARD SPEC                 | REMARKS               |
|----|-----------------------|---------------------------------------|-------------------------------|-----------------------|
| 1  | INDUCTANCE            | 3-1                                   | $300\mu H \pm 10\%$           | TH-2819XA<br>10KHz@1V |
| 2  | LEAKAGE INDUCTANCE    | 3-1<br>SHORT OTHER PIN                | 6.5 $\mu H$ MAX               | TH-2819XA<br>10KHz@1V |
| 4  | DC RPOSITION          | 3-1                                   | 0.15 $\Omega$ MAX             | TH-2513A<br>25°C      |
| 5  | DC RESISTANCE         | (3-1): N2: N3: N4                     | 36: 19: 8: 16                 | TH-2819XA             |
| 6  | HI-POT TEST           | P-S                                   | 3.6KVAC/50Hz/2mA/2SECOND      | CH-9053A              |
|    |                       | S-CORE                                | 1.8KVAC/50Hz/2mA/2SECOND      |                       |
|    |                       | P-CORE                                | 1.8KVAC/50Hz/2mA/2SECOND      |                       |
| 7  | INSULATION RESISTANCE | WINDING TO WINDING<br>WINDING TO CORE | MORE THAN 100 MOHM AT DC 500V | TH-2683               |

|                                       |         |          |             |              |      |           |
|---------------------------------------|---------|----------|-------------|--------------|------|-----------|
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## 6. MATERIAL LIST

| NO | ITEM        | SPEC       | MATERIAL   | CLASS  | UL FILE NO. | MANUFACTURER                                   | REMARK |
|----|-------------|------------|------------|--------|-------------|------------------------------------------------|--------|
| 1  | BOBBIN      | ER3542     | PM9820     | 150° C | E41429      | SUMITOMO BAKELITE CO LTD                       | V      |
| 2  | CORE        | ER35/42/11 | TP4        |        |             | TDG HOLDING CO LTD                             | V      |
|    |             | ER3542/11  | WD4        |        |             | HAINING WANDA ELECTRONIC CO LTD                |        |
| 3  | WIRE        |            | QA-1       | 155° C | E221719     | ZHEJIANG HONGBO TECHNOLOGY CO LTD              | V      |
|    |             |            | QA-1       | 155° C | E327855     | HUZHOU SANXING CABLE CO LTD                    | V      |
|    |             |            | QA-1       | 155° C | E229341     | HANGZHOU WEIFENG ELECTRONIC CO LTD             |        |
| 4  | TRIPLE WIRE |            | E&B-XXXB   | 130° C | E315265     | E&B TECHNOLOGY CO LTD                          |        |
|    |             |            | TIW-B      | 130° C | E305883     | SHANGHAI LUCKY TRADE CO LTD                    |        |
| 5  | TUBE        |            | CB-TT      | 200° C | E180908     | CHANGYUAN ELECTRONICS CO LTD                   | V      |
| 6  | TAPE        |            | CL         | 130° C | E464604     | HAINING CHULONG TAPE CO LTD                    | V      |
|    |             |            | CT         | 130° C | E165111     | JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD |        |
| 7  | VARNISH     |            | T-4260 (a) | 130° C | E228349     | SUZHOU TAIHU ELECTRIC ADVANCED MATERIAL CO LTD | V      |

|                                       |         |          |  |             |              |      |           |
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# 样品测试报告

客户： 浙江亚特

规格型号： ER3542-300uH 8420-805601

DATE: 2018. 9. 28

| NO<br>Item         |    | specs    | 1    | 2    | 3    | 4    | 5    |
|--------------------|----|----------|------|------|------|------|------|
| DIMENSIONS<br>(mm) | 高度 | 32mm MAX | 28.0 | 28.0 | 27.9 | 28.0 | 28.0 |
|                    | 长度 | 45mm MAX | 41.7 | 41.6 | 41.6 | 41.5 | 41.6 |
|                    | 宽度 | 38mm MAX | 35.7 | 35.7 | 35.8 | 35.7 | 35.8 |
|                    |    |          |      |      |      |      |      |
|                    |    |          |      |      |      |      |      |

| NO<br>Item  |                        | specs                            | 1    | 2    | 3    | 4    | 5    |
|-------------|------------------------|----------------------------------|------|------|------|------|------|
| INDUCTANCE  |                        | 10KHZ, 1.0V<br>L (3-1) 300±10%uH | 309  | 304  | 312  | 305  | 308  |
| DCR         |                        | R (3-1) 150mΩMAX                 | 97.0 | 97.0 | 97.0 | 96.8 | 96.8 |
| LK          |                        | 10KHZ, 1.0V<br>L (3-1) 6.5uH MAX | 3.5  | 3.3  | 3.4  | 3.4  | 3.4  |
| HI-POT TEST | P-S: 3600V/50HZ/2mA/2S |                                  | OK   | OK   | OK   | OK   | OK   |
|             | S-C: 1800V/50HZ/2mA/2S |                                  | OK   | OK   | OK   | OK   | OK   |
|             | P-C: 1800V/50HZ/2mA/2S |                                  | OK   | OK   | OK   | OK   | OK   |

|                                       |         |          |             |              |      |             |
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