

# 深圳市宇畅达电子有限公司

## 承 认 书

### SPECIFICATION FOR APPROVAL

客户名称:

Customer Name : \_\_\_\_\_

客户料号:

Customer P/N: \_\_\_\_\_

产品名称:

功率电感

Product Name: \_\_\_\_\_

宇畅达料号:

SNR6045TYD-系列(12边形)

Yuchangda P/N: \_\_\_\_\_

| 制造厂商<br>Manufacturer |          |
|----------------------|----------|
| 拟制<br>Draft          | 黄小香      |
| 审核<br>Check          | 符妃团      |
| 日期<br>Date           | 2018-6-6 |

| 客户承认印章<br>Approval Signet |  |
|---------------------------|--|
|                           |  |
| 日期 Date                   |  |

地址:深圳市光明区玉塘街道光明高新园侨德科技园A座9楼905.

Address:9th Floor, Block A, Qiaode Science and Technology Park, Guangming High-tech Park, Yutang Street, Guangming District, Shenzhen

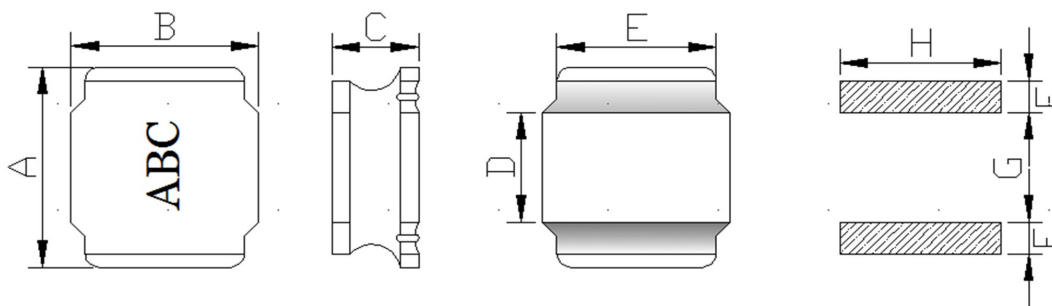
电子邮件 E-mail: [wyf\\_ycd@163.com](mailto:wyf_ycd@163.com)



|                     |             |                       |   |            |     |
|---------------------|-------------|-----------------------|---|------------|-----|
| 文件编号<br>File Number | YCD-WI-3637 | 版本号<br>Version Number | A | 页码<br>page | 1/4 |
|---------------------|-------------|-----------------------|---|------------|-----|

### 1、外形尺寸 Dimension :

单位Unit: mm



|   |          |
|---|----------|
| A | 6.00±0.3 |
| B | 6.00±0.3 |
| C | 4.5Max.  |
| D | 2.9Typ.  |
| E | 5.7Typ.  |
| F | 1.7Typ.  |
| G | 2.8Typ.  |
| H | 5.7Typ.  |

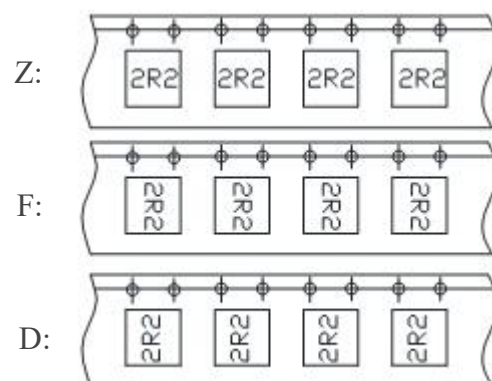
### 2、产品品名构成 Product Spec. Model

**SNR 6045T Y D - 2R2 N**

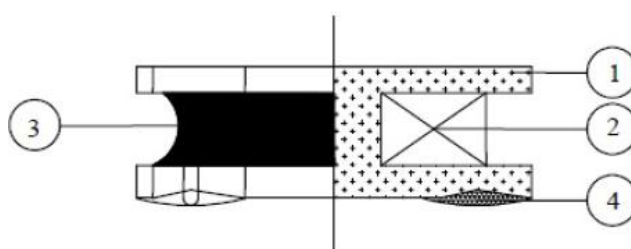
a b c d e f

- a: 系列名称 Series name
- b: 产品尺寸 Product dimensions (A x B x C)
- c: 密封方式 Sealing way (L: 冷封 Cold seal Y: 热封 Heat seal)
- d: 印字方向 Lettering direction ▶
- e: 电感值 Inductance Value  
(1R0:1.0uH; 100: 10uH; 101:100uH)
- f: 电感公差 Inductance Tolerance (K:10% ; M:20% ; N:30%)

#### ▶ Lettering direction



### 3、结构 Structure



### 4、材料清单 MATERIAL LIST

| NO. | PARTS     | MATERIAL   | UL FILE NO. | TEMP. CLASS |
|-----|-----------|--|-------------|-------------|
| 1   | DRUM CORE | Ni-Zn CORE OR EQUIVALENT                         | NA          | NA          |
| 2   | WIRE      | POLYURETHANE ENAMELLED COPPER WIRE OR EQUIVALENT | E258243     | 180°C       |
| 3   | ADHESIVE  | EPOXY RESIN OR EQUIVALENT                        | NA          | NA          |
| 4   | SOLDER    | Sn99.3-Cu0.7 OR EQUIVALENT                       | NA          | NA          |

\*NA:NOT APPLICABLE.

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

## 5、电性能参数表 Electrical Characteristics List

| 规格型号<br>Part NO. | 电感量<br>Tolerance( $\mu$ H) | 测试频率<br>Test Freq. (kHz/v) | 直流电阻<br>DC Max ( $\Omega$ ) | 饱和电流<br>Isat (A) | 温升电流<br>Irms (A) |
|------------------|----------------------------|----------------------------|-----------------------------|------------------|------------------|
| SNR6045TYD-R68N  | 0.68                       | 100/0.25                   | 0.008                       | 11.0             | 5.70             |
| SNR6045TYD-1R0N  | 1.0                        | 100/0.25                   | 0.014                       | 9.85             | 5.14             |
| SNR6045TYD-1R5N  | 1.5                        | 100/0.25                   | 0.016                       | 8.80             | 4.95             |
| SNR6045TYD-2R2N  | 2.2                        | 100/0.25                   | 0.018                       | 6.75             | 4.60             |
| SNR6045TYD-3R3N  | 3.3                        | 100/0.25                   | 0.027                       | 5.90             | 3.70             |
| SNR6045TYD-3R6N  | 3.6                        | 100/0.25                   | 0.027                       | 5.25             | 3.70             |
| SNR6045TYD-4R2N  | 4.2                        | 100/0.25                   | 0.030                       | 4.45             | 3.50             |
| SNR6045TYD-4R7M  | 4.7                        | 100/0.25                   | 0.034                       | 4.97             | 3.30             |
| SNR6045TYD-5R6M  | 5.6                        | 100/0.25                   | 0.038                       | 4.15             | 3.15             |
| SNR6045TYD-6R0M  | 6.0                        | 100/0.25                   | 0.040                       | 4.43             | 3.00             |
| SNR6045TYD-6R3M  | 6.3                        | 100/0.25                   | 0.040                       | 4.43             | 3.00             |
| SNR6045TYD-6R8M  | 6.8                        | 100/0.25                   | 0.040                       | 3.90             | 3.00             |
| SNR6045TYD-7R5M  | 7.5                        | 100/0.25                   | 0.044                       | 3.50             | 2.90             |
| SNR6045TYD-8R2M  | 8.2                        | 100/0.25                   | 0.056                       | 3.90             | 2.60             |
| SNR6045TYD-100M  | 10                         | 100/0.25                   | 0.062                       | 3.20             | 2.45             |
| SNR6045TYD-120M  | 12                         | 100/0.25                   | 0.075                       | 2.80             | 2.20             |
| SNR6045TYD-150M  | 15                         | 100/0.25                   | 0.088                       | 2.50             | 2.05             |
| SNR6045TYD-180M  | 18                         | 100/0.25                   | 0.105                       | 2.20             | 1.85             |
| SNR6045TYD-220M  | 22                         | 100/0.25                   | 0.116                       | 2.05             | 1.80             |
| SNR6045TYD-270M  | 27                         | 100/0.25                   | 0.133                       | 1.90             | 1.65             |
| SNR6045TYD-330M  | 33                         | 100/0.25                   | 0.178                       | 1.65             | 1.45             |
| SNR6045TYD-470M  | 47                         | 100/0.25                   | 0.260                       | 1.40             | 1.20             |
| SNR6045TYD-560M  | 56                         | 100/0.25                   | 0.287                       | 1.30             | 1.10             |
| SNR6045TYD-680M  | 68                         | 100/0.25                   | 0.376                       | 1.20             | 1.00             |
| SNR6045TYD-820M  | 82                         | 100/0.25                   | 0.443                       | 1.05             | 0.90             |
| SNR6045TYD-101M  | 100                        | 100/0.25                   | 0.563                       | 0.95             | 0.80             |
| SNR6045TYD-151M  | 150                        | 100/0.25                   | 0.754                       | 0.80             | 0.70             |
| SNR6045TYD-221M  | 220                        | 100/0.25                   | 1.084                       | 0.70             | 0.59             |

※公差Tolerance: N: $\pm$ 30%、M: $\pm$ 20%、K: $\pm$ 10%.

※工作温度Operating temperature rang: -40  $^{\circ}$ C to +125 $^{\circ}$ C (Including Self-heating)

※储存温度Storage temperature rang: -40  $^{\circ}$ C to +125 $^{\circ}$ C

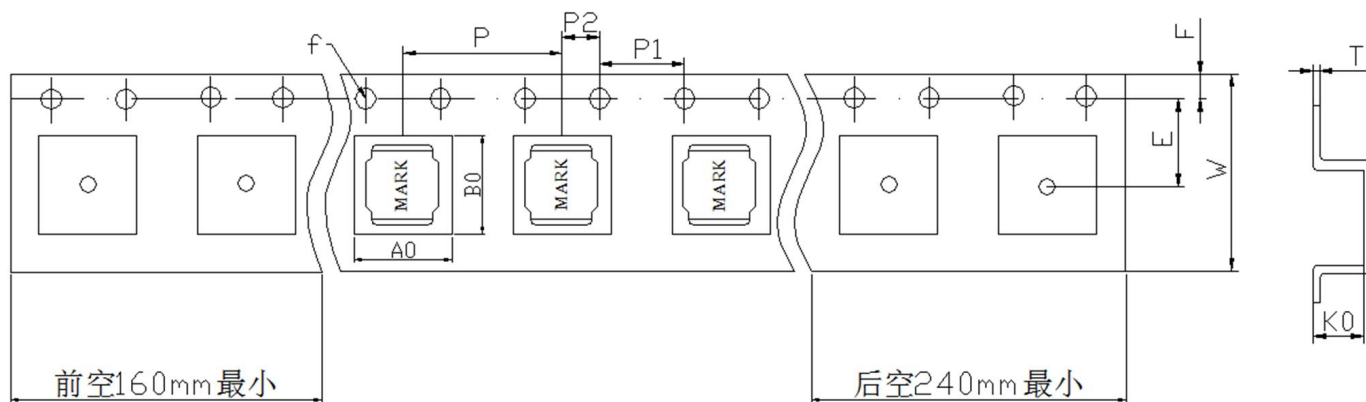
额定电流: 指使电感量比初始值下降30%或电感器表面温度上升 40 $^{\circ}$ C 的电流值 (参考周围环境温度 25 $^{\circ}$ C)。

The rated DC current is that which cause at 30% inductance reduction from the initial value or inductor surface temperature to rise by 40 $^{\circ}$ C, whichever is smaller (Reference ambient temperature 25 $^{\circ}$ C)。



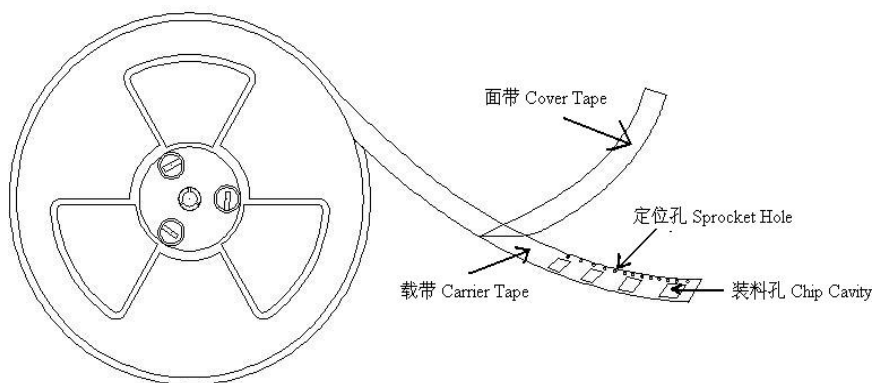
## 6、产品包装 Packaging

### 1) 载带包装示意图 Tape packing diagram



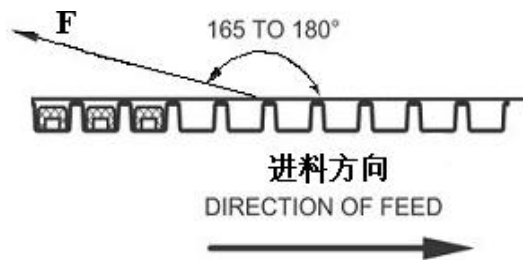
| ITEM | W     | A0   | B0   | K0   | P    | E    | F    | D0   | P0   | P2   | T     |
|------|-------|------|------|------|------|------|------|------|------|------|-------|
| DIM  | 12.00 | 6.30 | 6.30 | 4.70 | 8.00 | 7.50 | 1.75 | 1.50 | 4.00 | 2.00 | 0.35  |
| TOLE | ±0.3  | ±0.1 | ±0.1 | ±0.1 | ±0.1 | ±0.1 | ±0.1 | +0.1 | ±0.1 | ±0.1 | ±0.05 |

### 2) 卷盘包装示意图 Tape packing diagram



### 3) 剥离强度要求 Peeling required

- ① F 力大小: 20~100g;
- ② 面带剥离角度: 165°~180°。



### 4) 包装数量 Packing quantity

| 项目 | 数量 (PCS) | 尺寸规格 (mm)         |
|----|----------|-------------------|
| 盘  | 1500     | 13"               |
| 内盒 | 6000     | 340mm*340mm*65mm  |
| 外箱 | 12000    | 360mm*360mm*160mm |