



# DATA SPECIFICATION(特性要求): (TABLE-2)

| ITEM<br>项目  | MEASUREMENTS<br>测试脚位                            | CHARACTERISTICS<br>测试范围   | MEASURING CONDITIONS<br>测试条件<br>T=25±4℃;HR(%)=45±15      | REMARK<br>备注                             |
|-------------|---|---------------------------|--|--|
| L<br>电感     | PIN(2-17)<br>PIN(4-15)                          | 30mH MIN                  | F(KHz) =10±1<br>Ug(mV) =100±10                           | SERIAL MODE<br>串联模式                      |
|             | PIN(1-2)  | 3.6mH MIN                 | F(KHz) =10±1<br>Ug(mV) =100±10                           | SERIAL MODE<br>串联模式                      |
| LK<br>漏电感   | PIN(2-17)                                       | 3.0uH MAX.                | F(KHz) =10±1 Ug(mV) =100±10<br>PIN(9-10) SHORT-CIRCUITED | SERIAL MODE<br>串联模式                      |
|             | PIN(4-15)                                       | 3.0uH MAX.                | F(KHz) =10±1 Ug(mV) =100±10<br>PIN(8-11) SHORT-CIRCUITED | SERIAL MODE<br>串联模式                      |
| DCR<br>直流电阻 | (9-10),(8-11)                                   | 2.6~3.4Ω                  | /  | 4 WIRES MODE<br>四线模式                     |
|             | (2-17),(4-15)                                   | 1.5±0.4Ω                  | /  | 5 WIRES MODE<br>四线模式                     |
|             | (1-2),(5-4)<br>(14-15),(18-17)                  | 1.1±0.4Ω                  | /  | 6 WIRES MODE<br>四线模式                     |
| HIPOT<br>耐压 | 2X33TS/132TS                                    | NO BREAKDOWN<br>漏电流≤1.0mA | VAC=2000V /2SEC.   | MEASURE ON COIL<br>WINDINGS ONLY<br>线包测试 |
|             | (1-18)+(5-14)/<br>(9-10)+(8-11)                 | NO BREAKDOWN<br>漏电流≤1.0mA | VAC=1600V /3SEC.   | MEASURE ON<br>FINISHED PRODUCT<br>成品测试   |
|             | (1-18)/(5-14)                                   | NO BREAKDOWN<br>漏电流≤1.0mA | VAC=500V /2SEC.  | /  |
| TR<br>圈比    | PIN(2-17)                                       | 66mV±0.4mV                | F(KHz) =10±1<br>Ug(mV) =132±0.4                          | Apply Ug(9-10)<br>电压施加于(9-10)            |
|             | PIN(4-15)                                       | 66mV±0.4mV                | F(KHz) =10±1<br>Ug(mV) =132±0.4                          | Apply Ug(8-11)<br>电压施加于(8-11)            |
|             | PIN(2-3)  | 33mV±0.4mV                | F(KHz) =10±1<br>Ug(mV) =132±0.4                          | Apply Ug(9-10)<br>电压施加于(9-10)            |
|             | PIN(4-16)                                       | 33mV±0.4mV                | F(KHz) =10±1<br>Ug(mV) =132±0.4                          | Apply Ug(8-11)<br>电压施加于(8-11)            |
|             | (5-4),<br>(14-15),(18-17)                       | 14mV±0.4mV                | F(KHz) =10±1<br>Ug(mV) =140±0.4                          | Apply Ug(1-2)<br>电压施加于(1-2)              |
| PH<br>相位    | REFER TO LAYOUT DIAGRAM (FIG-1)<br>参考原理图(FIG-1) |                           |  |  |

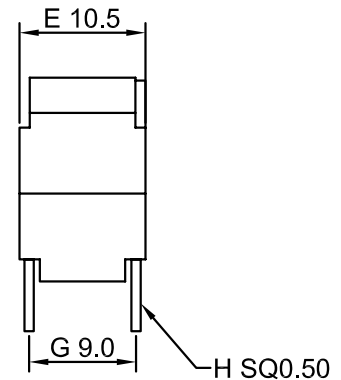
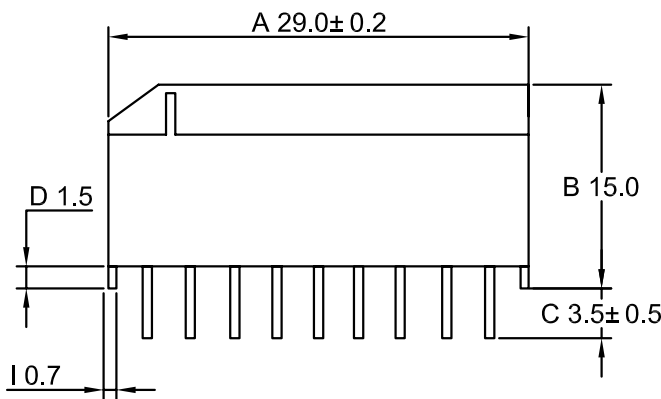
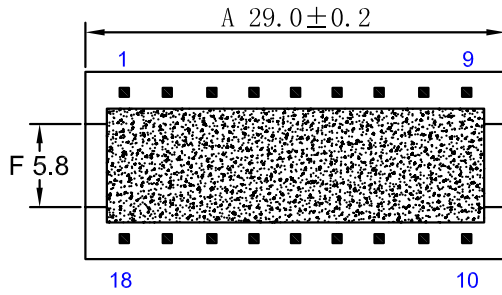
|                  |       |                                  |           |                       |    |
|------------------|-------|----------------------------------|-----------|-----------------------|----|
| Prepared By ENG: | Date: | TITLE:<br><br><b>TRANSFORMER</b> | CUSTOMER  | MODEL NO.:TCP18XXX-00 |    |
| Checked By QA:   | Date: |                                  | Approved: | REV.                  | 00 |
| Approved By ENG: | Date: |                                  | Date:     | PAGE 1 OF 3           |    |



# OUTLINE DIAGRAM (外观图) :

UNIT : mm

Tolerance unless otherwise specified: .X±0.2mm .XX±0.1mm



## NOTE:

1. The mixed weight ratio of epoxy (2001A), hardener (H-01) and hardener (h-16) is 100:4:8.4  
环氧树脂 (2001A)、硬化剂 (H-01) 和硬化剂 (H-16) 的混合重量比为 100:4:8.4;

2. XX/XX: year and week code, white ink, letters height is 2.0mm

(REF.)

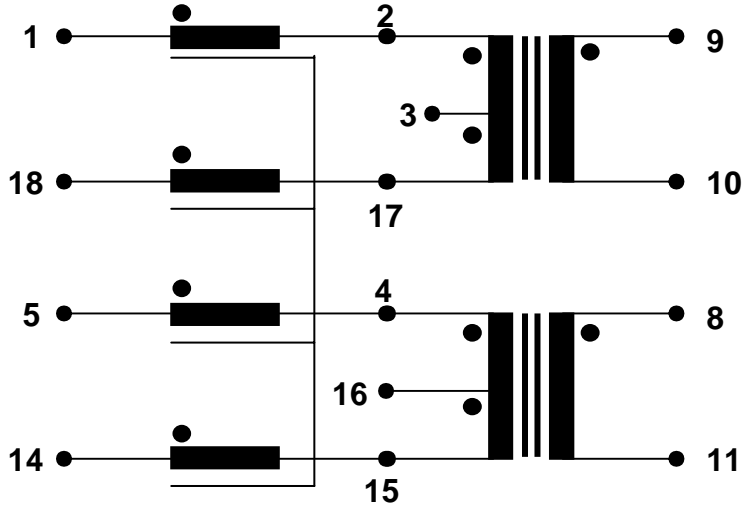
XX/XX: 表示年份, 周期代码, 白色丝印墨水, 字高 2.0mm  
(REF.)

3. the part should be complied with ROHS.  
产品需满足 ROHS 要求.

|                  |        |                            |                                |                         |    |
|------------------|--------|----------------------------|--------------------------------|-------------------------|----|
| Prepared By ENG: | Date : | TITLE :<br><br>TRANSFORMER | CUSTOMER<br>Approved:<br>Date: | MODEL NO. : TCP18XXX-00 |    |
| Checked By QA:   | Date : |                            |                                | REV.:                   | 00 |
| Approved By ENG: | Date : |                            |                                | PAGE 2 OF 3             |    |



# LAYOUT DIAGRAM 原理图:(FIG-1)



**FIG-1**

|                  |       |   |                           |                       |    |
|------------------|-------|---|---------------------------|-----------------------|----|
| Prepared By ENG: | Date: | <b>TITLE:</b><br><br><b>TRANSFORMER</b> | CUSTOMER<br><br>Approved: | MODEL NO.:TCP18XXX-00 |    |
| Checked By QA:   | Date: |   |                           | REV.                  | 00 |
| Approved By ENG: | Date: |   |                           | PAGE 3 OF 3           |    |

**免责声明**  
Disclaimer

Specifications and appearances may change without notice. All statements, technical information and recommendations herein are based on tests that we believed to be reliable, but the accuracy and completeness are not guaranteed. Before using, user should determine the suitability of the product for its intended use, and the user assumes all risks and liabilities whatsoever in connection therewith. Neither the seller nor the manufacturer shall be liable for any loss or damage, direct, incidental or consequential, including loss of profits or revenues arising from the use or inability to use the product. Any statements or recommendations shall have no effect unless contained in an agreement signed by authorized personnel of the seller and manufacturer.

依美电感保留更改产品资料和外观的最终权利而无需事先通知。如有任何争议，依美电感保留最终决定权。此中文免责声明为英文版本译本，如中、英文两个版本有任何抵触或不相符之处，应以英文版本为准。