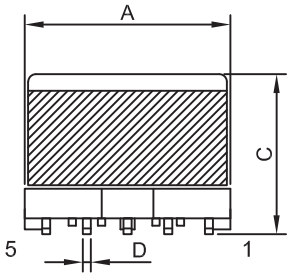
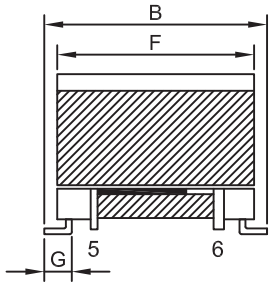
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1. OUTLINE DIMENSION:(UNIT:mm)/外形尺寸（单位： mm）



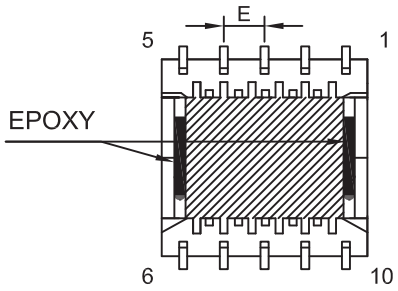

ELEVATION



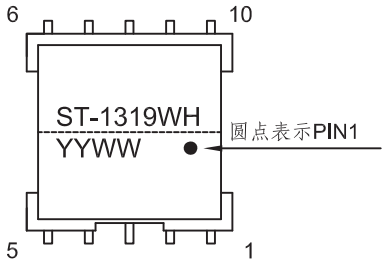

SIDE VIEW

NOTE:

1.N1绕组交叉.
2.所有绝缘胶带用高温胶带.
3.磁芯单边开气隙(装于PIN1-5侧), 外包7mm胶带2Ts.
4.底部磁芯与线包空隙处点黑胶固定.(如图)
5.产品不含浸.
6.标签如上图所示,印字内容中YYWW代表年份与周期.




BOTTOM VIEW



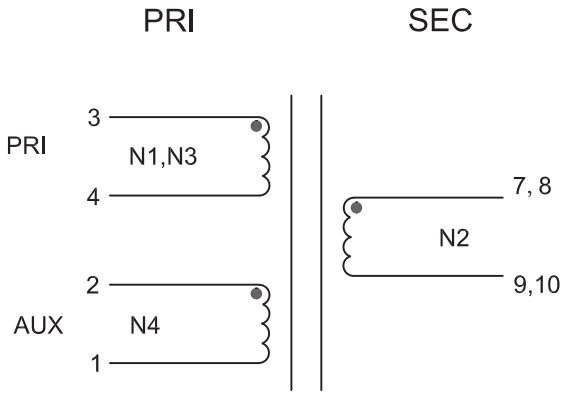

标签内容

| A | B | C | D | E | F | G | |
|---|---|---|---|---|---|---|---|
| 14.2MAX | 17.5MAX | 13.0MAX | SQ0.50±0.1 | 2.5±0.3 | 14.05MAX | 2.25 REF | |

| | | | | | | |
|---|---|---|---|---|---|---|
| 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd | TITLE: 变压器/TRANSFORMER | SIZE A4 | UNITS MM[INCH] | GENERAL TOLERANCES UNLESS SPECIFIED | | APPROVED BY: Geoffrey.Song |
| | PART NO.: ST1319WH | SACLE 1:1 | REV A0 | x±0.35 | x°±3.0° | CHECKED BY: Elvis.Song |
| | | | | .x±0.30 | .x°±2.0° | |
| TEL: +86 400 1048 018 WEB: WWW.WOHU-TEK.COM | REMARK: EP13/13 | SHEET 1/3 | | .xx±0.25 | .xx°±1.5° | DESIGND BY: Sunny.Xu |
| | | | | .xxx±0.10 | .xxx°±1.0° | |

REACH & RoHS COMPLIANT

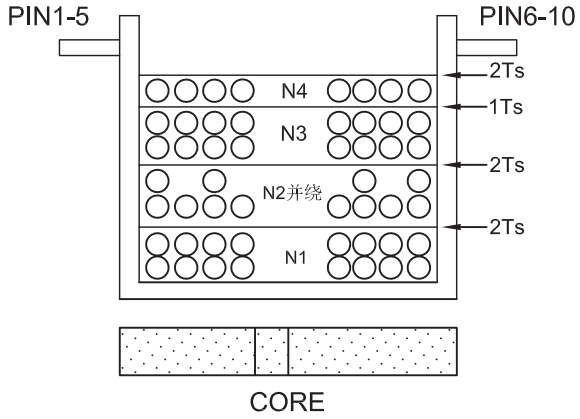
## 2. CIRCUIT DIAGRAM/电气原理图




● START

PIN7,8 & PIN9,10 分别在PCB上短接在一起

## 3. CONSTRUCTION DIAGRAM/内部结构图




## 4.WINDING INFORMATIONS TABLE/绕制明细表

| 绕组 WINDING | 挡墙胶带 MARGIN TAPE | | 起始-收尾 S - F | 线材 WIRE | 圈数 TURN | 绝缘胶带 TAPE | 备注 REMARK |
|---|---|---|---|---|---|---|---|
| | PIN1-5 SIDE | PIN6-10 SIDE | | | | | |
| N1 | / | / | 3--4 | 2UEW-H Ø0.15*2P | 36Ts | 2Ts | 密绕/CLOSE |
| N2 | / | / | 7--9 | 2UEW-H Ø0.28*2P | 9Ts | 2Ts | 并绕, 密绕+散绕 BIFILAR, CLOSE/SPACE |
| | / | / | 8--10 | 2UEW-H Ø0.28*2P | 9Ts | | |
| N3 | / | / | 3--4 | 2UEW-H Ø0.15*2P | 36Ts | 1Ts | 密绕/CLOSE |
| N4 | / | / | 2--1 | 2UEW-H Ø0.15*2P | 18Ts | 2Ts | 密绕/CLOSE |
| | | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| VOOHU 苏州沃虎电子科技有限公司 Su Zhou Voohu Electronic Tech.Co.Ltd | TITLE: 变压器/TRANSFORMER | SIZE A4 | UNITS MM[INCH] | GENERAL TOLERANCES UNLESS SPECIFIED | APPROVED BY: Geoffrey.Song |
| | PART NO.: ST1319WH | SACLE 1:1 | REV A0 | x±0.35 / x°±3.0° / .x±0.30 / .x°±2.0° | CHECKED BY: Elvis.Song |
| TEL: +86 400 1048 018 WEB: WWW.WOHU-TEK.COM | REMARK: EP13/13 | SHEET 2/3 | | .xx±0.25 / .xx°±1.5° / .xxx±0.10 / .xxx°±1.0° | DESIGND BY: Sunny.Xu |

REACH & RoHS COMPLIANT

## 5. CHARACTERISTIC /电气性能

| NO.<br>序号 | ITEM<br>项目 | TERT POINT<br>测试点 | TECHNICAL CRITERION<br>技术标准 | TEST CONDITION & INSTRUMENT<br>测试条件&仪器 |
|---|---|---|---|---|
| 5.1 | INDUCTANCE<br>电感 | L (3–4) | 127uH±10% | CHROMA3250(100Ω)<br>200KHz/0.1V AT 25℃ |
| 5.2 | DC OVERLAP<br>直流叠加 | L (3–4) | Ldc(3-4) > 90%L(3-4) | TH2819+TH1773<br>IDC= 1.0A<br>200KHz/0.1V AT 25℃ |
| 5.3 | LEAKAGE INDUCTANCE<br>漏感 | LK(3-4)<br>SHORT OTHER PINS | 0.95uH MAX | CHROMA3250(100Ω)<br>200KHz/0.1V AT 25℃ |
| 5.4 | DCR<br>直流电阻 | R(3-4) | 222mΩ MAX | TH2511 AT25℃ |
| | | R(7,8-9,10) | 39mΩ MAX | |
| | | R(2-1) | 348mΩ MAX | |
| | | | | |
| 5.5 | HI-POT<br>抗电强度 | PRI-SEC | AC1500V | CHROMA19053<br>1mA 1SEC 50Hz |
| | | | | |
| 5.6 | TURNS RATIO<br>圈数比 | 3-4 : 7,8-9,10 | 1.0 : 0.25 ±3% | CHROMA3250(100Ω)<br>20KHz/1V AT 25℃ |
| | | 3-4 : 2-1 | 1.0 : 0.50 ±3% | |
| | | | | |
| 5.7 | OPERATING TEMPERATURE (INCLUDING SELF TEMPERATURE RISE) | | -40℃ TO 125℃ | |
| 5.8 | STORAGE TEMPERATURE | | -40℃ TO 125℃ | |

| | | | | | | |
|---|---|---|---|---|---|---|
| VOOHU 苏州沃虎电子科技有限公司<br>Su Zhou Voohu Electronic Tech.Co.Ltd | TITLE:<br>变压器/TRANSFORMER | SIZE<br>A4 | UNITS<br>MM[INCH] | GENERAL TOLERANCES UNLESS SPECIFIED | | APPROVED BY:<br>Geoffrey.Song |
| | PART NO.:<br>ST1319WH | SACLE<br>1:1 | REV<br>A0 | x±0.35<br>.x±0.30 | x°±3.0°<br>.x°±2.0° | CHECKED BY:<br>Elvis.Song |
| TEL: +86 400 1048 018 WEB: WWW.WOHU-TEK.COM | REMARK:<br>EP13/13 | SHEET<br>3/3 | | .xx±0.25<br>.xxx±0.10 | .xx°±1.5°<br>.xxx°±1.0° | DESIGND BY:<br>Sunny.Xu |