

Specification for Approval

产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WH13P-12L

Version No.:

V0.1

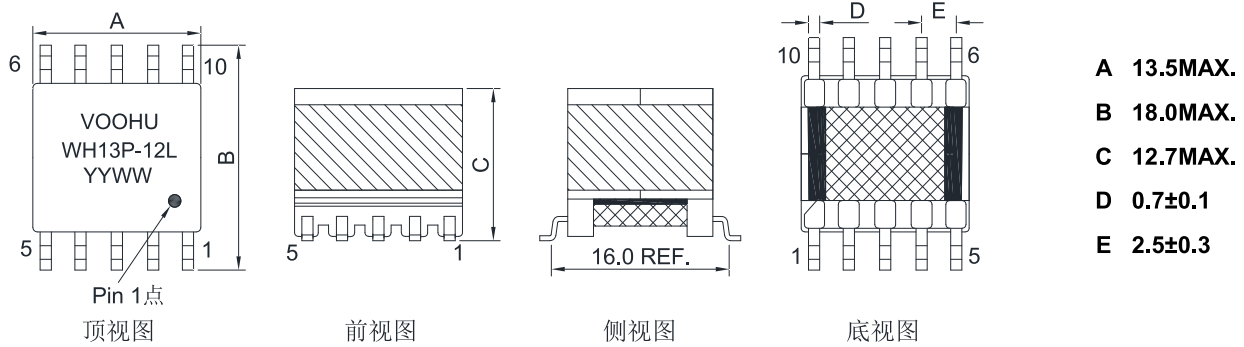
Description:

EP13

| SUZHOU VOOHU Company Approval | | Customer Approval (客户承认签章) |
|-------------------------------|---------------|-------------------------------|
| DRAWN | Geoffrey.Song | |
| CHECKED | Sunny.Xu | |
| APPROVED | Elvis. Song | |
| 日期DATE:2026/3/31 | | 日期DATE: 2026/3/31 |

Please Return One Copy to Us After Approved,TKs! (承认后请回寄一份,谢谢)

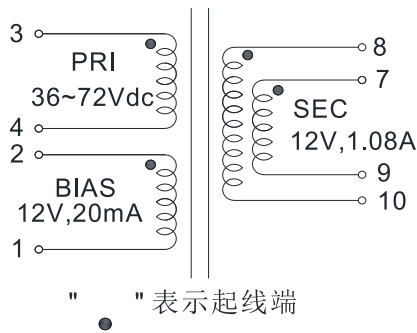
1.外形尺寸 (单位:mm)



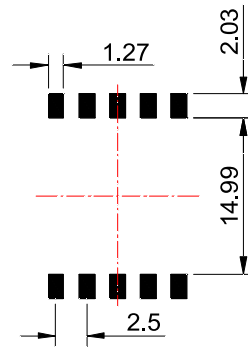
Notes:

- (1). 印字方式为激光印字
- (2). YYWW:表示生产年份和周期
- (3). 尺寸B不包括锡尖
- (4). PIN平面度0.15mm MAX

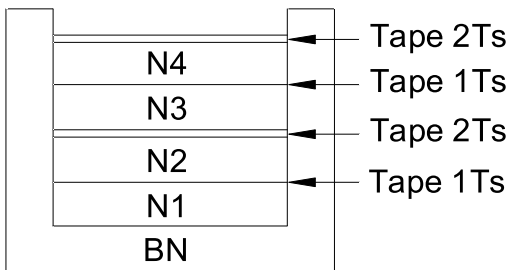
2. 线路图



3. 建议焊盘尺寸 (单位:mm)



4. 结构图



5. 圈数&线径规格

| 绕组 | 起收脚位 | 圈数 | 线径规格 |
|----|-----------|-------|--------------------|
| N1 | 3--4 | 28 TS | ∅0.21mm*1P UEW/180 |
| N2 | 7.8--9.10 | 14 TS | ∅0.35mm*2P UEW/180 |
| N3 | 3--4 | 28 TS | ∅0.21mm*1P UEW/180 |
| N4 | 2--1 | 14 TS | ∅0.21mm*1P UEW/180 |

6. 电气特性

*工作温度范围: **-40℃ to +125℃**

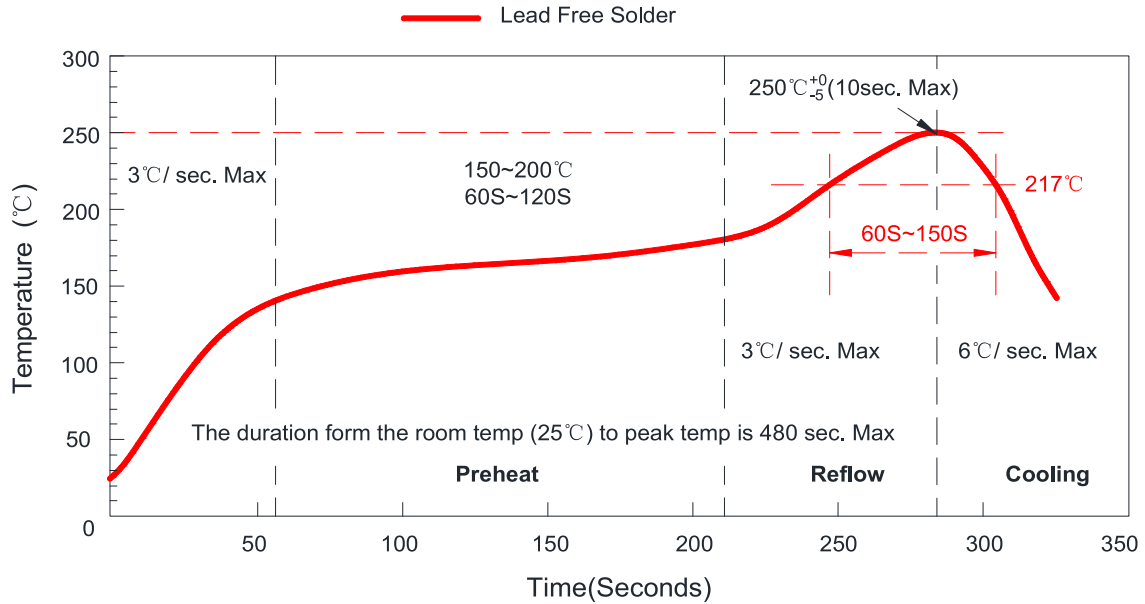
*储存温度范围: **-40℃ to +85℃**

| 测试项目 | 测试绕组 | 测试规格 | 测试条件 |
|---------------|-----------------------------|-------------|--------------------------|
| Inductance | L(3-4) | 127uH ±10% | at 100kHz,0.1V |
| | LD(3-4) | 114.3uH Min | at 100kHz,0.1V, @1.0A |
| LK-Inductance | LK(3-4) short other pins | 0.65uH MAX | at 10kHz,0.1V |
| DCR | R(3-4) | 199mΩ MAX. | at 25℃ |
| | R(2-1) | 308mΩ MAX. | |
| | R(7.8-9.10) | 65mΩ MAX. | |
| Turns Ratio | (3-4):(7.8-9.10):(2-1) | 1:0.5:0.5TS | at 20kHz,1V |
| Hi-Pot | Pri. To Sec. | 1500VAC | 5mA.3S |

| | | |
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7. 回流焊焊接方式

Test Solderability Temperature Profile

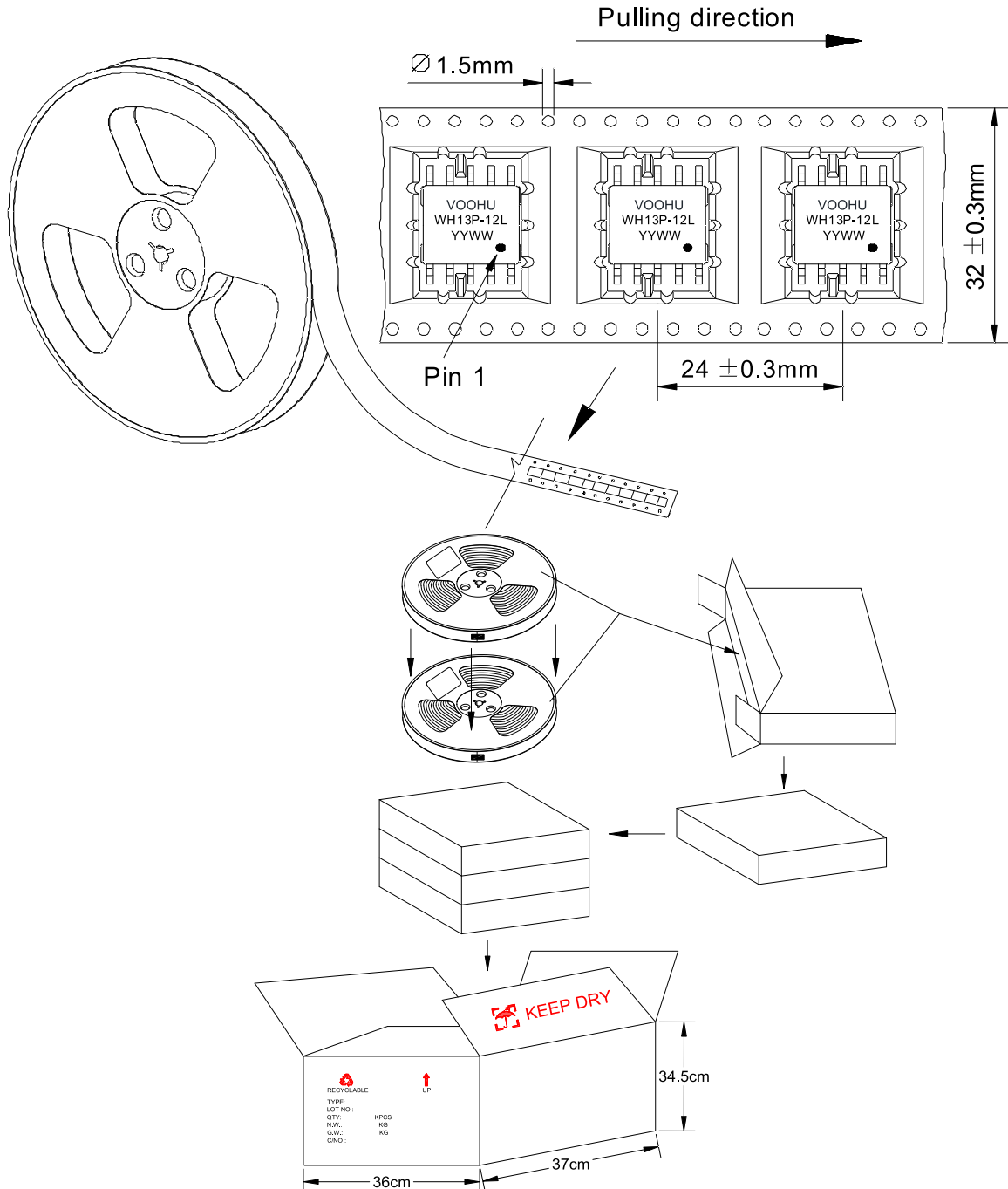


| Profile Feature | Pb-Free Assembly |
|--|------------------|
| Average Ramp-Up Rate (T _{max} to T _p) | 3°C/Second Max. |
| Preheat | |
| -Temperature Min. (T _{min}) | 150°C |
| -Temperature Max. (T _{max}) | 200°C |
| -Time (T _{min} to T _{max}) | 60-120 Seconds |
| Time maintained above: | |
| -Temperature (T _L) | 217°C |
| -Time (T _L) | 60-150 Seconds |
| Peak/Classification Temperature (T _p) | 250°C |
| Time within 5°C of actual Peak Temperature (T _p) | 10 Seconds Max. |
| Ramp-Down Rate | 6°C/Second Max. |
| Time 25°C to Peak Temperature | 8 Minutes Max. |

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8. 包装规范

- (1), Every roll of the carrier tape can contain 180pcs products.
- (2), Every small packing box contain 2 rolls of carrier tape. Total quantity: 360pcs.
- (3), Every carton box contain 3 small packing boxes. Total quantity: 1080pcs.



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