

# Specification for Approval

## 产品承认书

Customer:

Customer P/N:

VOOHU P/N:

Version No.:

Description:

WHEP13029

V0.1

EP13

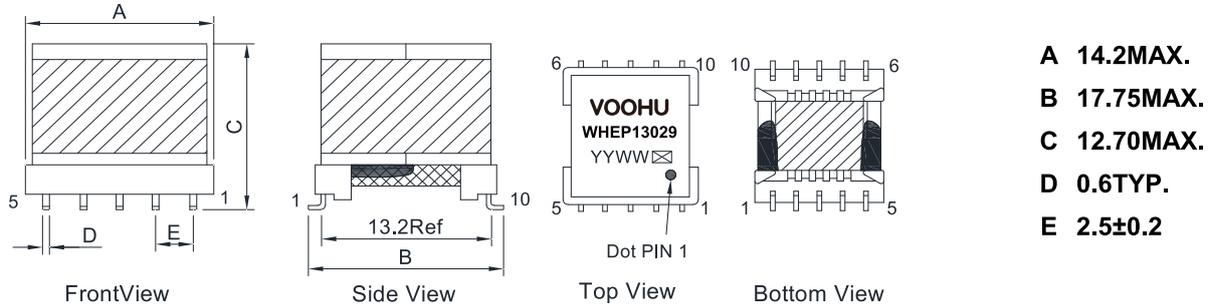
SUZHOU VOOHU Company Approval		Customer Approval (客户承认签章)
<b>DRAWN</b>	Geoffrey.Song	
<b>CHECKED</b>	Sunny.Xu	
<b>APPROVED</b>	Elvis. Song	
日期DATE:2026/2/06		日期DATE: 2026/2/06

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



## Product Specification

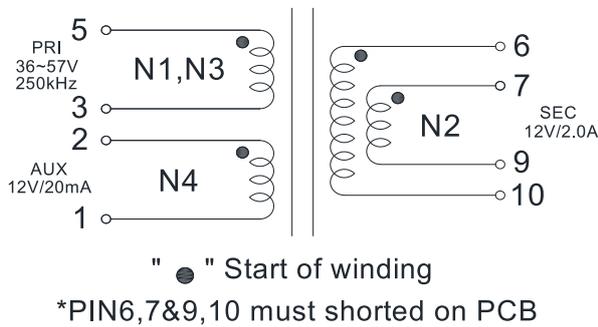
### 1. Physical Dimensions (Unit:mm)



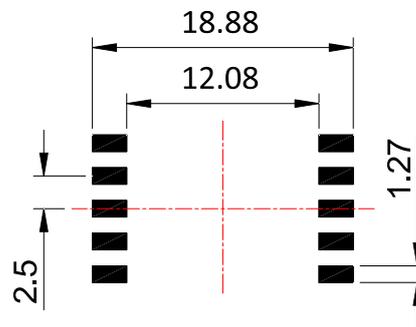
#### Notes:

- (1). Marking type is laser printing
- (2). YY: Year Code; WW: Week Code
- (3). ☒: When making samples, S is used to represent the product is a sample
- (4). ☒: Use different letters or numbers to represent the products are produced from different production line
- (5). Size B not including soldering tags
- (6). Coplanarity requirement: Less than 0.13mm

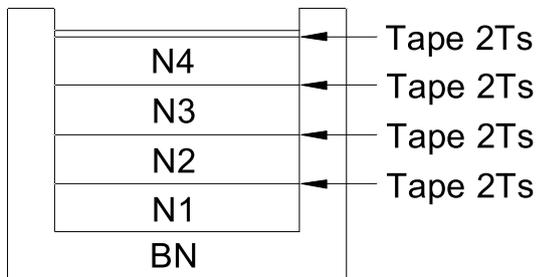
### 2. Connection



### 3. Recommended Pad Layout (Unit:mm)



### 4. Structure of Products



### 5. No of Turns & Wire Spec

No	No of Pin	Turns	Wire Spec
N1	5--3	33 TS	∅0.20mm*1P 2UEW
N2	6,7--9,10	11 TS	∅0.28mm*4P 2UEW
N3	5--3	33 TS	∅0.20mm*1P 2UEW
N4	2--1	11 TS	∅0.20mm*1P 2UEW

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### 6. Electrical Characteristics

\*Operating temperature range: -40°C to +125°C

\*Storage temperature range: -40°C to +125°C

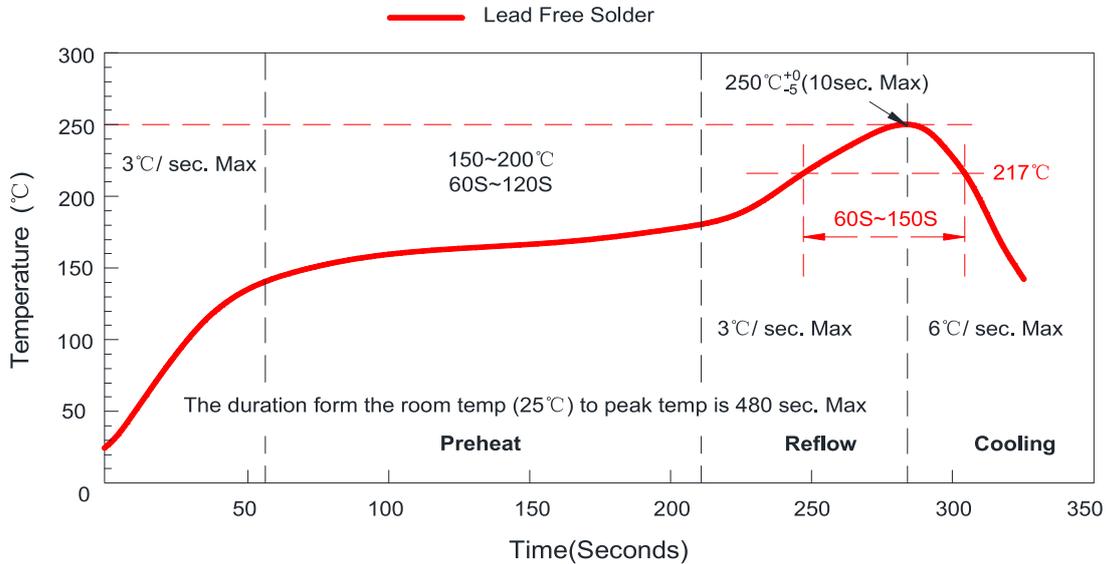
Items	Winding	Specifications	Test Conditions
Inductance	L(5-3)	70uH±10%	at 200kHz,0.1V
LK-Inductance	LK(5-3) shorted other pins	1.0uH MAX.	at 200kHz,0.1V
DCR	R(5-3)	260mΩ MAX.	at 25°C
	R(2-1)	230mΩ MAX.	
	R(6,7-9,10)	23mΩ MAX.	
Turns Ratio	(5-3):(2-1):(6,7-9,10)	33:11:11,±2%	at 20kHz,0.1V
Hi-Pot	Pri. To Sec.	1500VAC	1mA.2S
	Win. To Core	500VAC	1mA.2S

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### 8.Recommended Temperature Conditions of Air Reflow Soldering

Test Solderability Temperature Profile



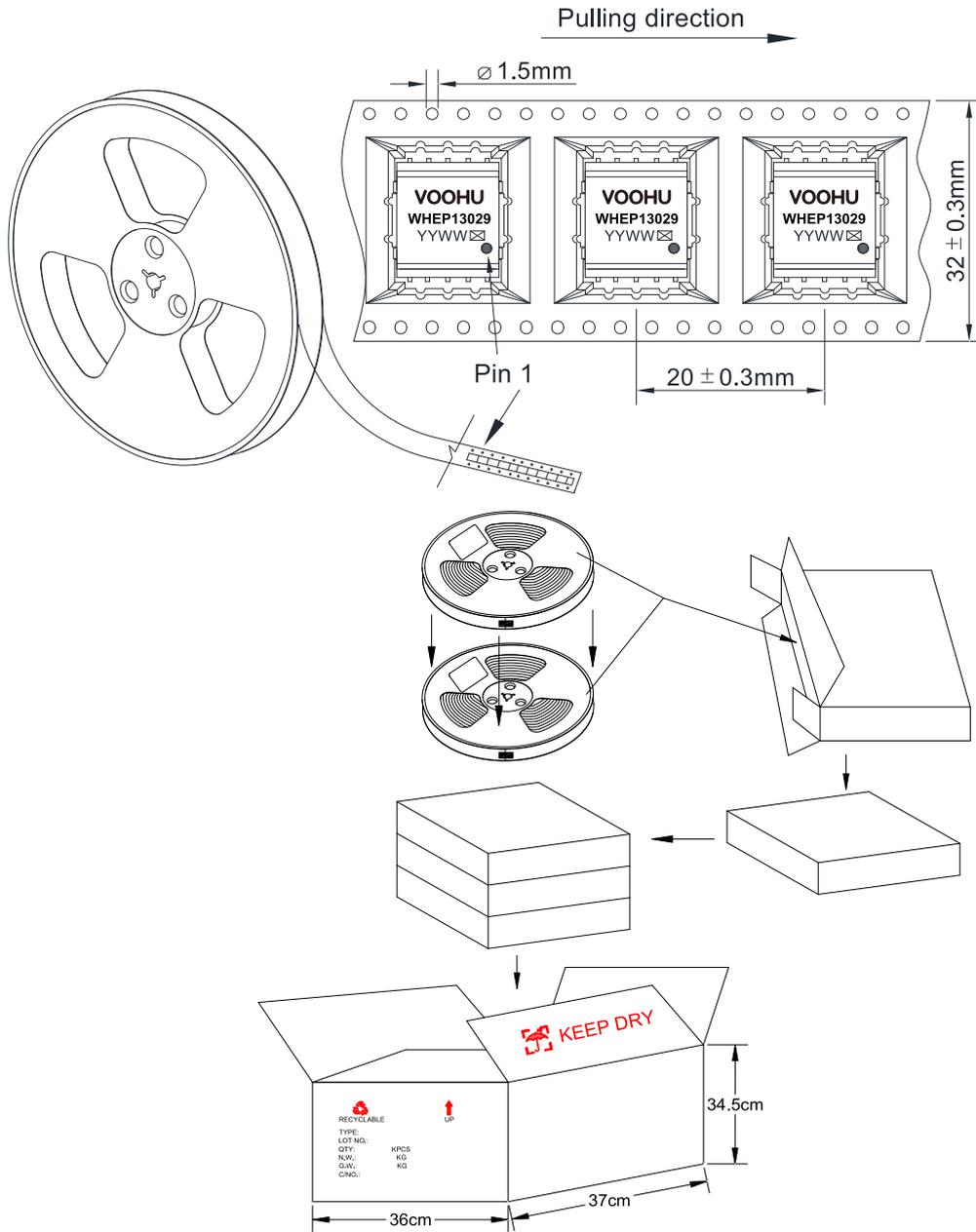
Profile Feature	Pb-Free Assembly
Average Ramp-Up Rate (T <sub>smax</sub> to T <sub>p</sub> )	3°C/Second Max.
<b>Preheat</b>	
-Temperature Min. (T <sub>smin</sub> )	150°C
-Temperature Max. (T <sub>smax</sub> )	200°C
-Time (T <sub>smin</sub> to T <sub>smax</sub> )	60-120 Seconds
<b>Time maintained above:</b>	
-Temperature (T <sub>L</sub> )	217°C
-Time (T <sub>L</sub> )	60-150 Seconds
Peak/Classification Temperature (T <sub>p</sub> )	250°C
Time within 5°C of actual PeakTemperature (T <sub>p</sub> )	10 Seconds Max.
Ramp-Down Rate	6°C/Second Max.
Time 25°C to Peak Temperature	8 Minutes Max.

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### 9.Packing Request

- \*Every roll of the carrier tape can contain 200pcs products.
- \*Every small packing box contains two rolls of carrier tape. Total quantity: 400pcs.
- \*Every carton box contains 3 small packing boxes. Total quantity: 1200pcs.



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