

Specification for Approval

产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHEFD25571

Version No.:

V0.1

Description:

EFD25

SUZHOU VOOHU Company Approval		Customer Approval (客户承认签章)
DRAWN	Geoffrey.Song	
CHECKED	Sunny.Xu	
APPROVED	Elvis. Song	
日期DATE:2026/1/29		日期DATE: 2026/1/29

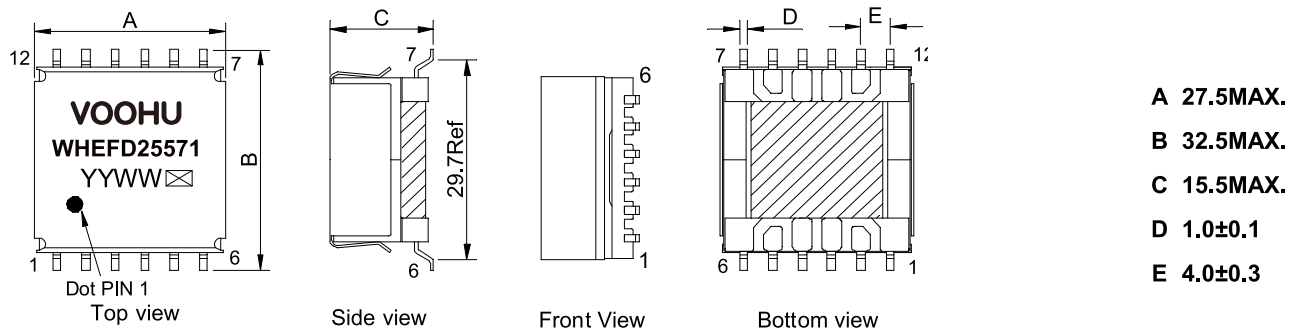
Please Return One Copy to Us After Approved,TKs! (承认后请回寄一份,谢谢)

[illegible]

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Product Specification

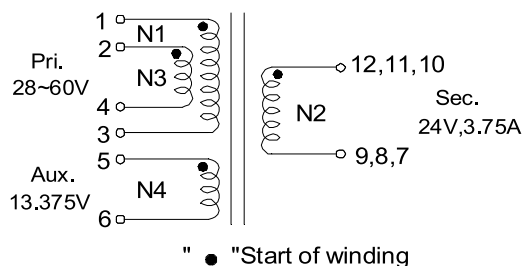
1. Physical Dimensions (Unit:mm)



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 lines
- (5). Size B not including soldering tags
- (6). Coplanarity Requirement: Less than 0.15mm
- (7). Add epoxy to the center column of the cores, Impregnation the varnish after finish goods

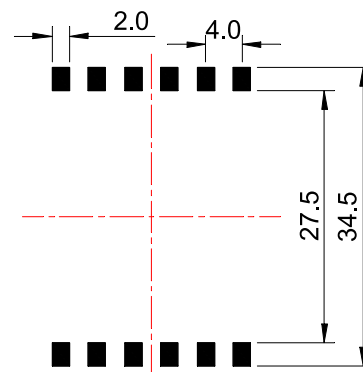
2. Connection



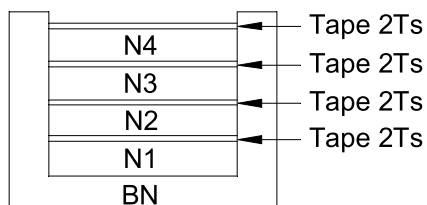
*Customer to tie terminals 7&8&9 and 10&11&12 on PC board.

*Application of the transformer allows for the leadwires between terminals 7&8&9 and 10&11&12 to solder bridge.

3. Recommended Pad Layout (Unit:mm)



4. Structure of Products



5. No of Turns & Wire Spec

No	No of Pin	Turns	Wire Spec
N1	1--3	12 Ts	ø0.28mm* 4P P180
N2	12,11,10--9,8,7	9 Ts	ø0.30mm* 9P P180
N3	2--4	12 Ts	ø0.28mm* 4P P180
N4	5--6	5 Ts	ø0.23mm* 2P P180

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6. Electrical Characteristics

*Operating temperature: -40℃ to +125℃ including temp rise.

*Storage temperature range: -40℃ to +125℃

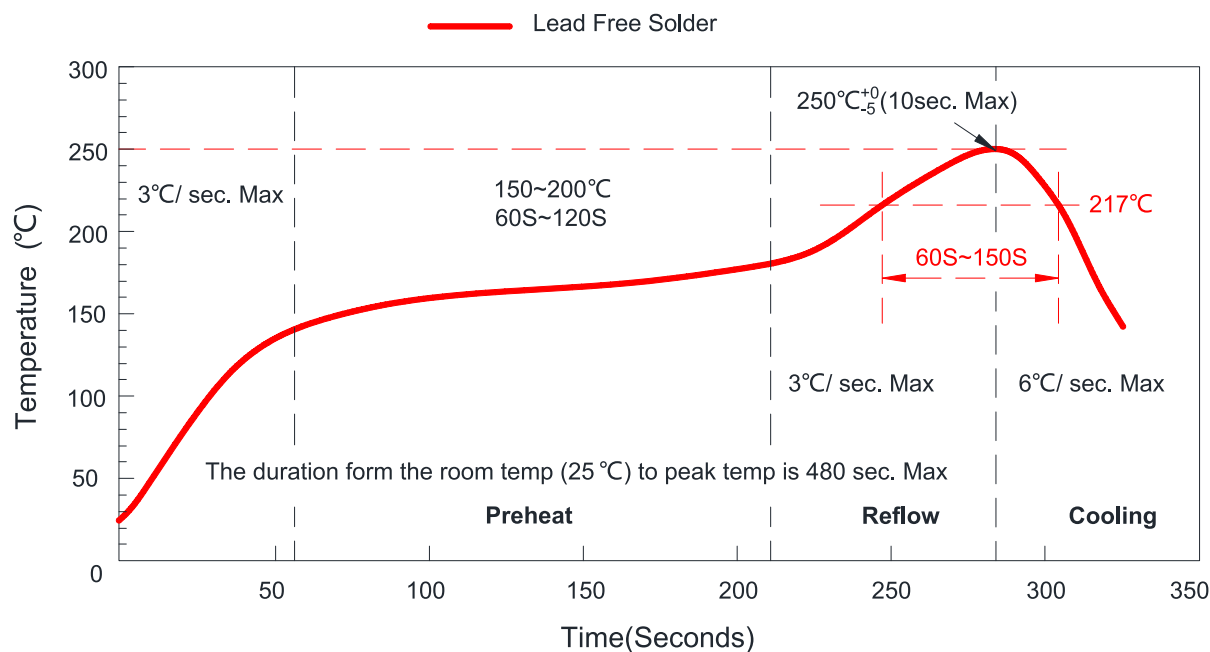
Items	Winding	Specifications	Test Conditions
Inductance	L(1,2-3,4)	20uH±10%	at 150kHz,1V
LK-Inductance	LK(1,2-3,4) Tie Sec	0.8uH MAX.	at 150kHz,1V
DCR	R(1,2-3,4)	40mΩ MAX.	at 25℃
	R(5-6)	80mΩ MAX.	
	R(12,11,10-9,8,7)	20mΩ MAX.	
Turns Ratio	(1,2-3,4):(12,11,10-9,8,7):(5-6)	12:9:5;±3%	at 150kHz,1V
Hi-Pot	Pri. To Sec.	1500VAC	5mA.3S
	Win. To Core	500VAC	5mA.3S

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8.Recommended Temperature Conditions of Air Reflow Soldering

Test Solderability Temperature Profile



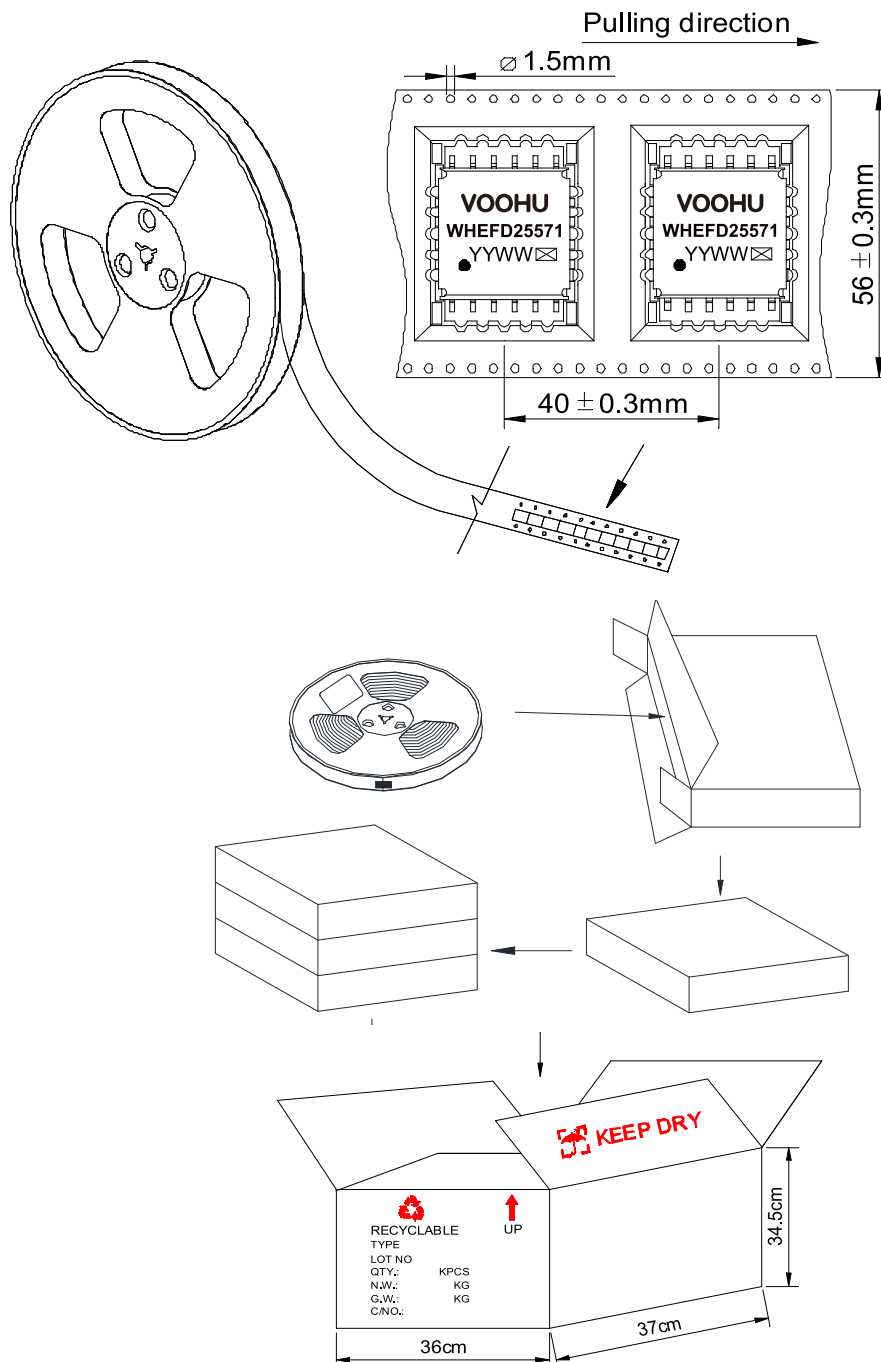
Profile Feature	
Average Ramp-Up Rate (T _{smax} to T _p)	3°C/Second Max.
Preheat	
-Temperature Min. (T _{smin})	150°C
-Temperature Max. (T _{smax})	200°C
-Time (T _{smin} to T _{smax})	60-120 Seconds
Time maintained above:	
-Temperature (T _L)	217°C
-Time (T _L)	60-150 Seconds
Peak/Classification Temperature (T _p)	250°C
Time within 5°C of actual PeakTemperature (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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9.Packing Request

- (1), Every roll of the carrier tape can contain 95pcs products.
- (2), Every small packing box contains one rolls of carrier tape. Total quantity: 95pcs.
- (3), Every carton box contains 3 small packing boxes. Total quantity: 285pcs.



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