

Specification for Approval

产品承认书

Customer:

Customer P/N:

VOOHU P/N:

WHEFD25020

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)

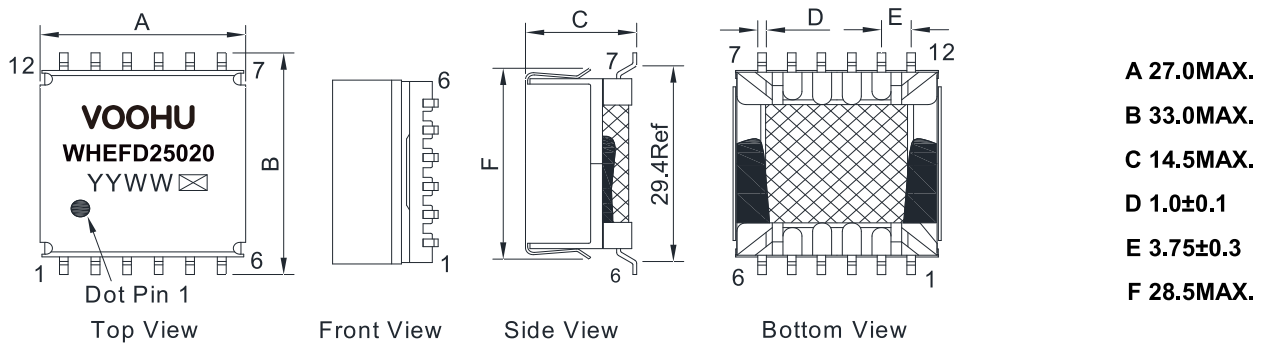
Revision History

[illegible]

DESCRIPTION	PART NO.	REV:R0
EFD25	WHEFD25020	PAGE:1/5

Product Specification

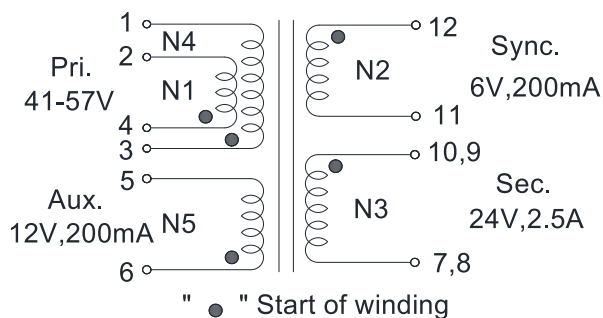
1. Physical Dimensions (Unit:mm)



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

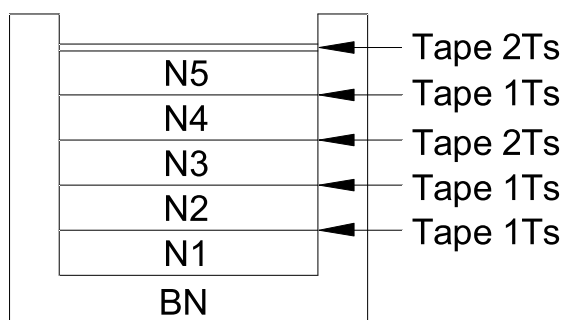
2. Connection



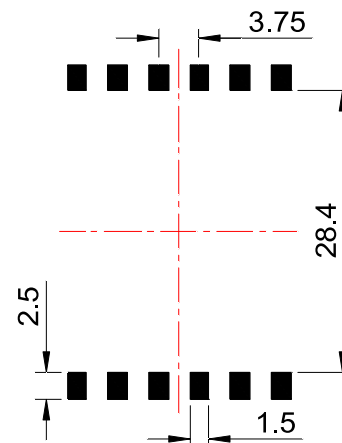
*Customer to tie terminals 1&2,3&4,7&8 and 9&10 on PC board.

*Application of the transformer allows for the leadwires between terminals 1&2,3&4, 7&8 and 9&10 to solder bridge.

4. Structure of Products



3.Recommended Pad Layout (Unit:mm)



5.No of Turns & Wire Spec

No	No of Pin	Turns	Wire Spec
N1	4--2	18 Ts	ø0.27mm*3P P180
N2	12--11	3 Ts	ø0.20mm*2P P180
N3	10,9--7,8	12 Ts	ø0.28mm*8P P180
N4	3--1	18 Ts	ø0.27mm*3P P180
N5	6--5	6 Ts	ø0.20mm*2P P180

DESCRIPTION	PART NO.	REV:R0
EFD25	WHEFD25020	PAGE:2/5

Product Specification

6. Electrical Characteristics

*Operating temperature: -40℃ to +125℃

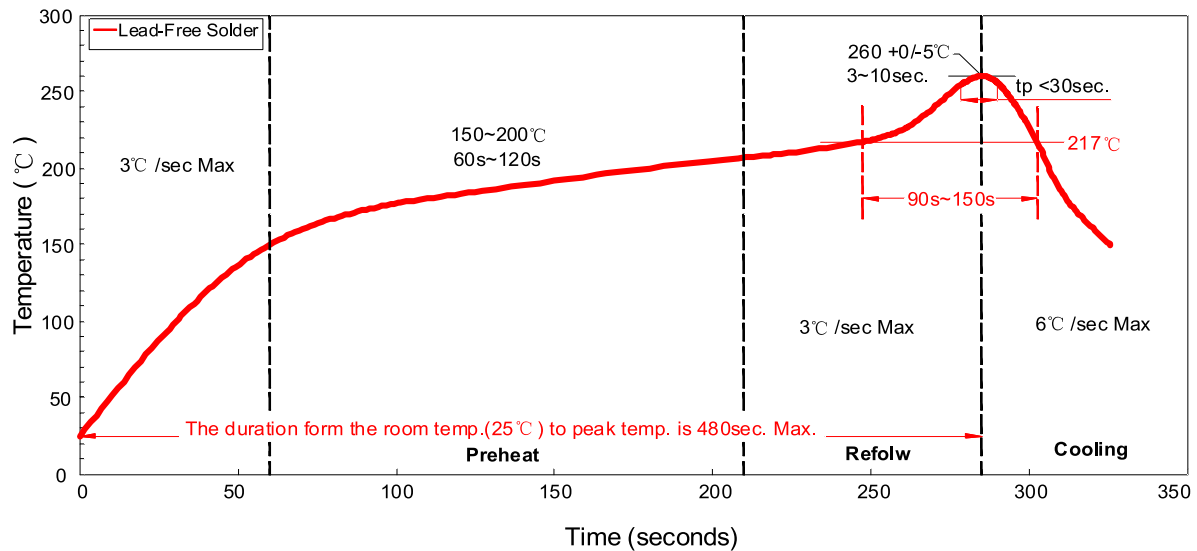
*Storage temperature range: -40℃ to +125℃

Items	Winding	Specifications	Test Conditions
Inductance	L(3,4-1,2)	55uH±10%	at 100kHz,0.1V
LK-Inductance	LK(3,4-1,2) Tie others	1.0uH MAX.	at 100kHz,0.1V
DCR	R(3,4-1,2)	54mΩ MAX	at 25℃
	R(10,9-7,8)	38mΩ MAX	
	R(6-5)	138mΩ MAX	
	R(12-11)	63mΩ MAX	
Turns Ratio	(3,4-2,1):(10,9-7,8):(6-5):(12-11)	18:12:6:3TS	at 10kHz,0.1V
Hi-Pot	Pri. To Sec.	1500VAC	1mA.2S
	Win. To Core	500VAC	1mA.2S

DESCRIPTION	PART NO.	REV:R0
EFD25	WHEFD25020	PAGE:3/5

Product Specification

8.Recommended Temperature Conditions of Air Reflow Soldering



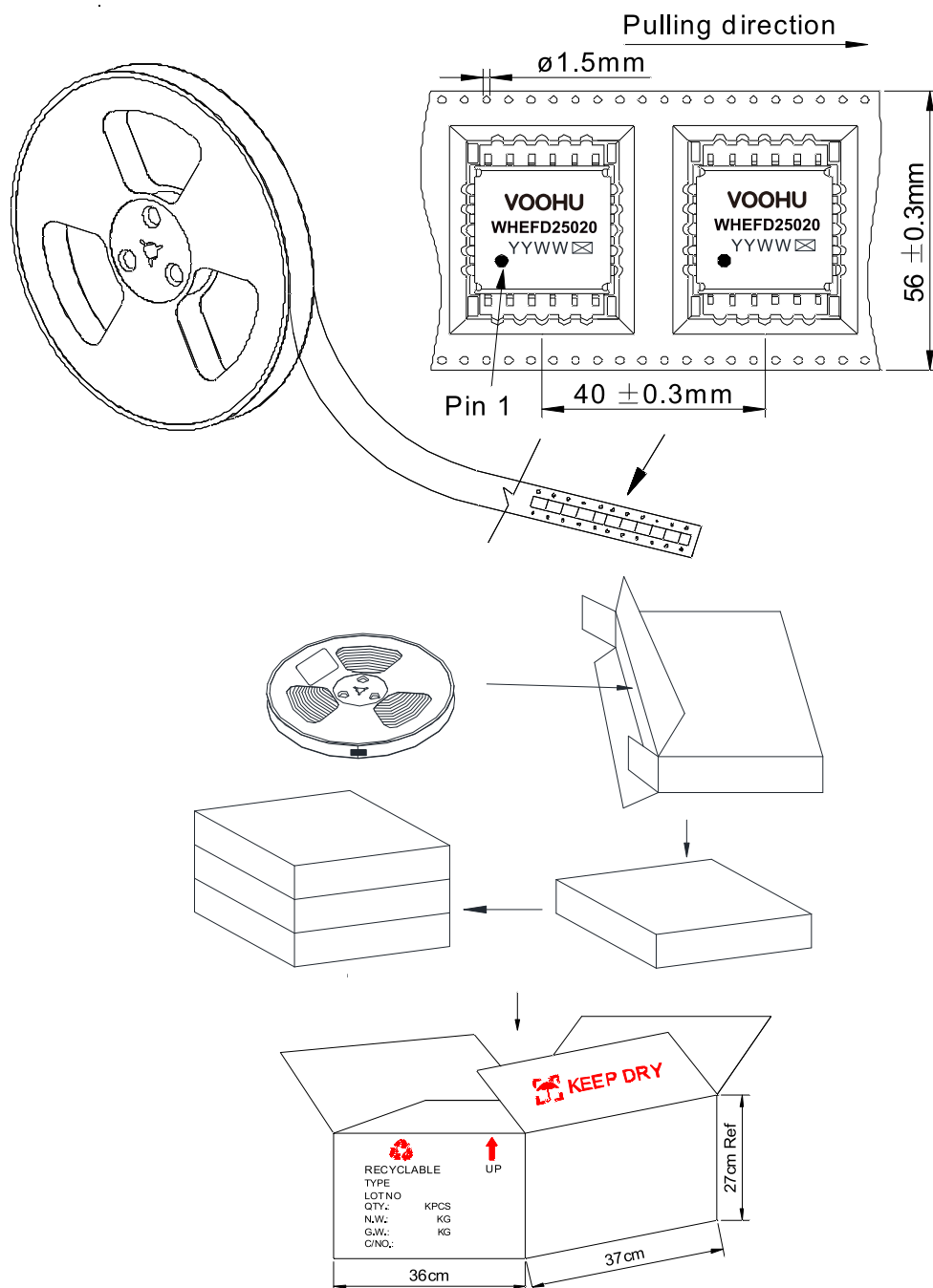
Profile Feature	Pb-Free Assembly
Average Ramp-Up Rate (T _{max} to T _p)	3°C/Second Max.
Preheat	
-Temperature Min. (T _{min})	150°C
-Temperature Max. (T _{max})	200°C
-Time (T _{min} to T _{max})	60~120 Seconds
Time maintained above:	
-Temperature (T _L)	217°C
-Time (T _L)	90~150 Seconds
Peak/Classification Temperature (T _p)	260°C
Time within 5°C of actual Peak Temperature (T _p)	3~10 Seconds
Ramp-Down Rate	6°C/Second Max.
Time 25°C to Peak Temperature	8 Minutes Max.

DESCRIPTION	PART NO.	REV:R0
EFD25	WHEFD25020	PAGE:4/5

Product Specification

9.Packing Request

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



DESCRIPTION	PART NO.	REV:R0
EFD25	WHEFD25020	PAGE:5/5