



SPECIFICATION FOR APPROVAL

DESCRIPTION: TRANSFORMER
 SPECIFICATION: TR20-20-9
 PART NO: FWPTEF20H542J
 ISSUE DATE: May 10, 2023

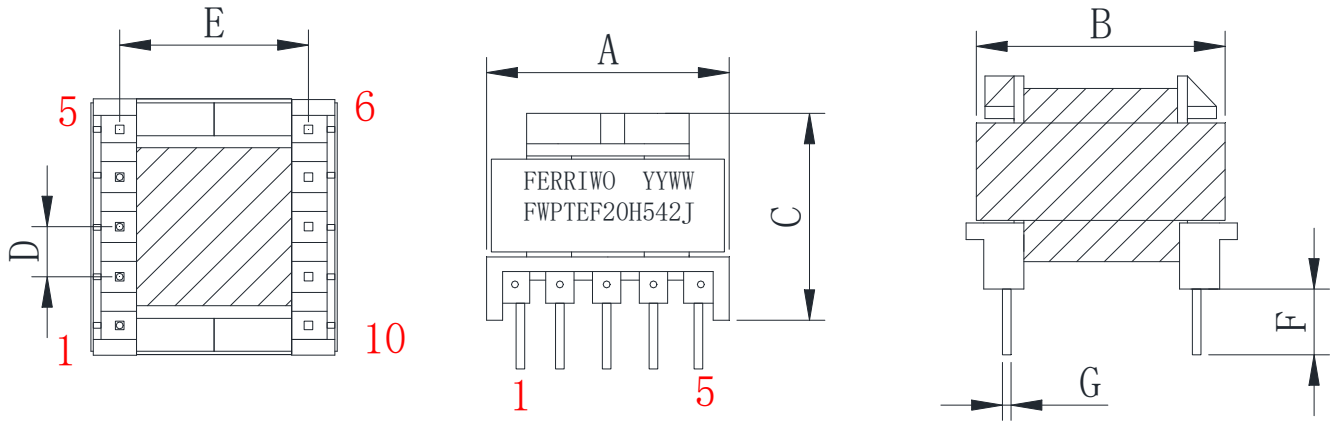
MANUFACTURER APPROVAL		
PREPARED	CHECKED	APPROVED

CUSTOMER APPROVAL		
PREPARED	CHECKED	APPROVED

Haining Ferriwo Electronics Co.,Ltd.	
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www.ferriwo.com	sales@ferriwo.com

SPECIFICATION

1. PHYSICAL DIMENSION(UNIT: m/m):



*.Core fix tape 3Ts .

*.The Label is placed on the product(see the picture above).

LEAD FREE

DIM	A	B	C	D	E	F	G					
	MAX	MAX	MAX	±0.3	±0.5	±0.5	±0.1					
SPEC	23.0	23.0	20.0	3.8	15.0	3.5	0.6*0.6					

FERRIWO

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Customer P/N

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PS-2023-022

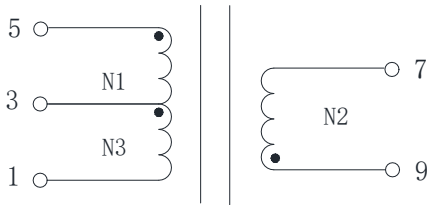
PREPARED



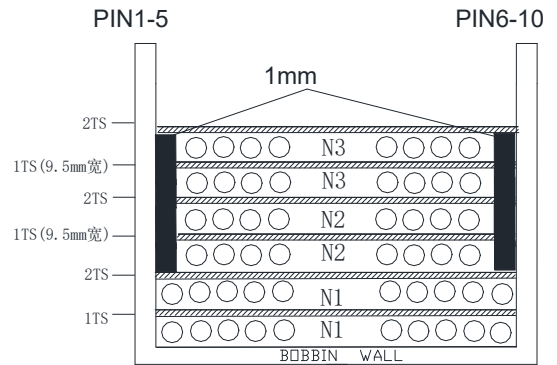
APPROVED



2.WINDING TABLE:



3.WINDING:



4.WINDING TABLE:

Winding NO.	Margin Tape	PIN	Wire & Wire Copper	Turns	Winding Type	Tape Layer	Tube
N1		5~3	0.18 ϕ x 1P	107Ts	CLOSE	2Ts	
N2	each side 1.0mm	9~7	0.18 ϕ x 1P	92Ts	CLOSE	2Ts	
N3	each side 1.0mm	3~1	0.18 ϕ x 1P	85Ts	CLOSE	2Ts	

NOTE:

- 1. Products should be vacuum impregnation
- *VARNISH RATIO: 1:1
- *VACUUM TIME: 15~20minutes
- *BAKED TEMPERATURE : 120°C±10°C , 1~1.5hours

LEAD FREE

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5. ELECTRONICAL CHARACTERISTIC:

TEST CONDITION : TEMPERATURE AT 25°C

HUMIDITY AT 65 ±5% RH

TEST ITEM	TEST CONDITION	RESULT
INDUCTANCE CH-3250	@1KHz,0.3V (5~3)	5400uH±5%

NOMINAL RATED POWER - 30 VA

LEAD FREE



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6. MATERIAL LIST :

ITEM	MATERIAL	SUPPLIER OR MANUFACTURER	TEMPRATING	
1	CORE EF20	FW44 OR EQUIVALENT	HAINING FERRIWO ELECTRONICS CO., LTD.	
2	BOBBIN FWB2004-Y	PHENOLIC OR EQUIVALENT	SUMITOMO BAKELITE CO., LTD. UL NO E41429	150°C
3	WIRE	2UEW-F	PACIFIC ELECTRIC WIRE&CABLE(SHENZHEN) CO. LTD UL NO E84081	155°C
4	TAPE	CT280	YAHUA STICKING TAPE CO.,LTD UL NO E165111	130°C
5	VARNISH	R-1038	JOHN C DOLPH CO BC-346A UL NO E317427	130°C
6	FLUX	TF9100	LINAN GUITONG CHEMICAL TECHNICAL CO.,LTD	
7	TIN	Sn99.3Cu0.7	HAINING ZHUCHANG METAL FOIL CO;LTD	

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