

SPECIFICATION FOR APPROVAL

CUSTOMER: Electronics Factory,AOI DESCRIPTION : EF25 Main Transformer

CUSTOMER'S PART NO.: MODEL NO.: GB-EF25-04563

MANUFACTURE'S MATERIEL NO.: 80104563 FILE NO.: RDWI80104563Q

REV: A DATE: 2015-03-23

PLEASE RETURN TO US ONE COPY OF "SPECIFICATION
FOR APPROVAL "WITH YOUR APPROVED SIGNATURES

	"√"	CUSTOMER'S SIGNATURE	NOTE
FULL APPROVED			
CONDITION APPROVED			
REJECTED			

SHEN ZHEN YAMAXI ELECTRONICS CO.,LTD

5-8F,Shahe industrial stateG5B,white-stoneIslet,South-HillDistinguish,Shenzhen,Guangdong

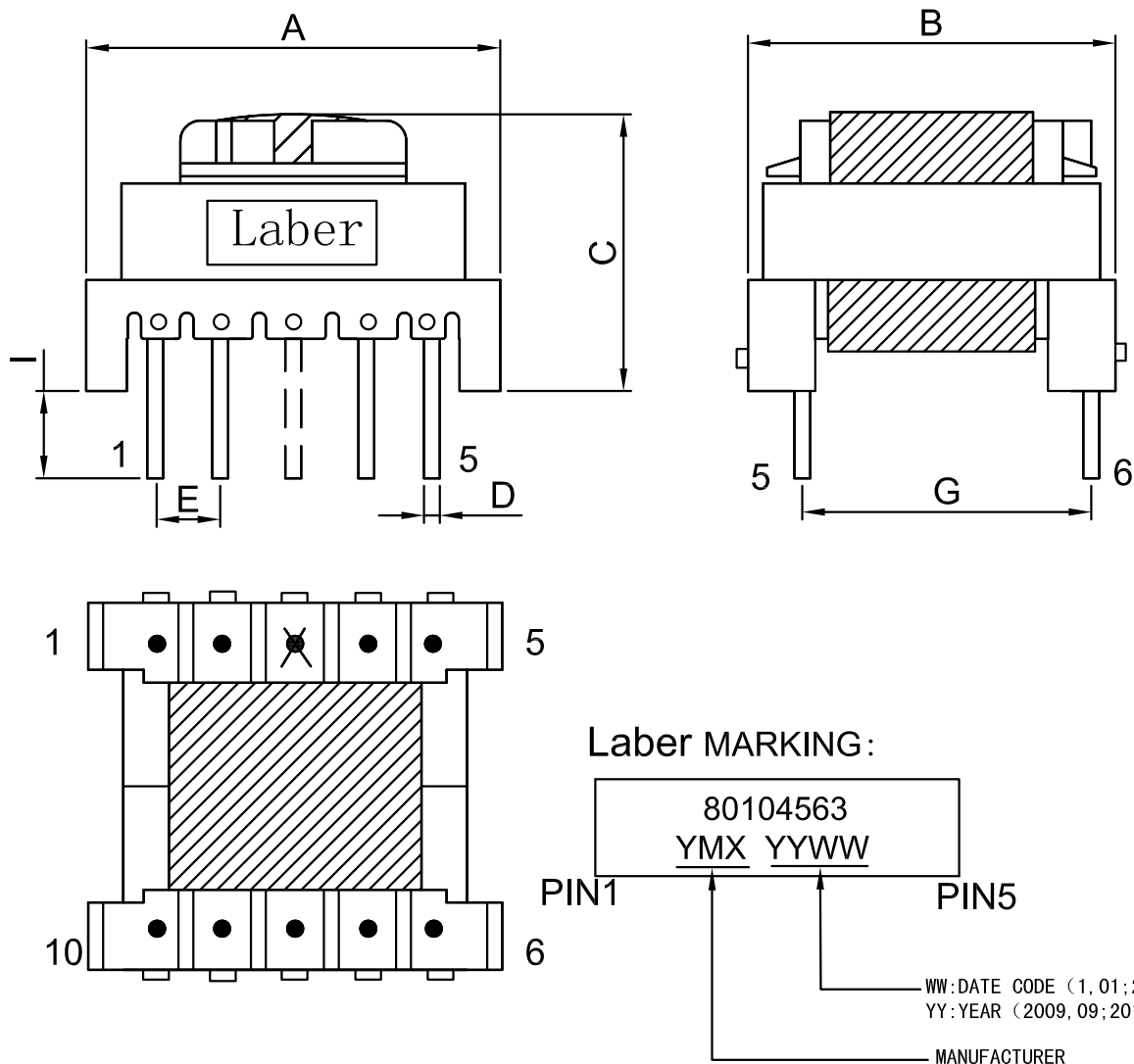
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CHANGE HISTORY OF SPEC

No.	Date	MODIFY ANNAL LIST	Rev	Drawn	Checked	Approved
1	2015.10.27	NEW ISSUE	A	QUQING	ZENGXIANFU	XIAJUNYING

1.DIMENSION(UNIT:mm)



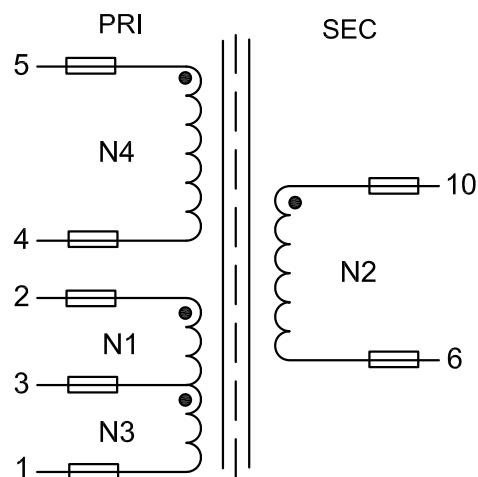
A	B	C	D	E	G	I
27.0 MAX	29.0 MAX	22.5 MAX	Ø0.8 ±0.1	4.0 ±0.5	20.0 ±0.5	4.0 ±0.5

Noted:

1. PIN3 must be cut of 2/3 after PIN soldered.
2. The core with gap in center to meet the inductance, The gaped core is installed in the PIN 1- 5 feet, outsourcing of core used three layers tape fixed.
3. Dip varnish uniformly and vacuum impregnation.
4. Labels on the PIN1-5 feet side of core.

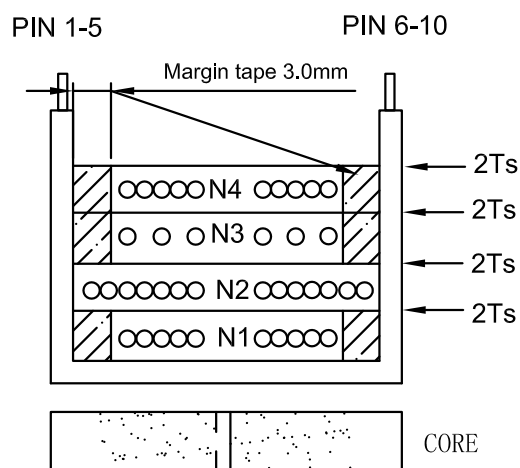
CUSTOMER	Electronics Factory,AOI	DRAWING	Pengxiaozen
PART NO.		SAMPLEY	Longwenci
DESCRIPTION	EF25 Main Transformer	CHECKED	QuQing
MODEL NO.	GB-EF25-04567	CLIBRATED	Zengxianfu
MATERIAL NO.	80104567	APPROVED	Xiajunying
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2.CIRCUIT DIAGRAM



" • ": POLARITY " □ ":TEFLON TUBE

3.CONSTRUCTION DIAGRAM



4.WINDING

WINDING	WIRE(mm)	S--F	TURNS(Ts)	TAPE TURNS(Ts)	WINDING CONDITION
N1	2UEW-B Ø0.45*1P	2--3	33Ts	2Ts	CLOSED
N2	TRW-B Ø0.75*1P	10--6	16Ts	2Ts	CLOSED
N3	2UEW-B Ø0.45*1P	3--1	29Ts	2Ts	CLOSED
N4	2UEW-B Ø0.45*1P	5--4	7Ts	2Ts	CLOSED

5.CHARACTERISTIC

NO.	ITEM	MEASURED POINT	TECHNICAL DATA	TESTING CONDITION & INSTRUMENT
5.1	INDUCTANCE	L(2--1)	250.uH±10%	TH2826A 100Ω 69KHz ,0.1V AT 25℃
5.2	LEAKAGE INDUCTANCE	LK(2--1)	30.0uH MAX	TH2826A 100Ω 69KHz ,0.1V AT 25℃ (Short PIN5,4,6,10)
5.3	DC RESITANCE	DCR(2--1)	0.5Ω MAX	AT 25℃
		DCR(5--4)	65.0mΩ MAX	
		DCR(10--6)	45.0mΩ MAX	
5.4	DIELECTRIC WITHSTAND VOLT	PRI--SEC	AC 3000V	0.5mA 60SEC 50HZ
		PRI--CORE	AC 1200V	
		SEC--CORE	AC 1200V	

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6.MATERIAL LIST

NO.	ITEM	TYPE	SUPPLIERS	UL NO.
1	CORE	TYPE:EF25 MATERIAL:TP4/ DMR40/TD4/YR28	TDG/DMEGC/TONGDA/YAORUN OR EQUAL	N/A
2	BOBBIN	TYPE:EF25 MATERIAL:T375J 94V-0 150℃	CHANG CHUN PLASTICS CO LTD OR EQUAL	UL:E59481
3	WIRE	TYPE:2UEW 130℃	SHENZHEN CHENGWEI INDUSTRY CO LTD OR EQUAL	UL:E227475
4	INSULATION TAPE	TYPE:CT-280B 130℃	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD OR EQUAL	UL:E165111
5	TRIPLE WIRE	TYPE:TRW-B 130℃	GREAT LEOFLON INDUSTRIAL CO LTD OR EQUAL	UL:E211989 VDE:136581
		TYPE:DRTIW-B, 130℃	SHENZHEN DARUN SCIENCE AND TECHNOLOGY CO LTD OR EQUAL	UL:E335841 VDE:40032470
6	VARNISH	TYPE:8562(a) 155℃	HANG CHEUNG PETROCHEMICAL LTD OR EQUAL	UL:E200154
7	TEFLON TUBE	PTFE CB-TT-L 200℃	CHANGYUAN ELECTRONICS GROUP CO LTD OR EQUAL	UL:E180908

The transformer must be manufactured to comply with the ROHS directive ,
use only Pb-free solder

7.WEIGHT

Net Weight:26.7g/PC

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Sample inspection report

客 户 CUSTOMER	Electronics Factory, AOI	样 品 数 量 SAMPLES QTY	20PCS	环 境 温 度: AMBIENT TEMP.	25℃
客 户 料 号 CUSTOMER P/N.	EF25	检 验 日 期 TEST DATE	2015-10-23	内 部 编 号 YMX P/N	80104563

一.电气性能(ELECTRICAL CHARACTERISTIC):

检测项目 TEST ITEM	频率 FREQUENCY	脚位 PIN~PIN	规格 SPECIFICATION	1 [#]	2 [#]	3 [#]	4 [#]	5 [#]	6 [#]	7 [#]	8 [#]	9 [#]	10 [#]
电感 INDUCTANCE	69KHz 0.1V	1~2	250uH±10%	255	257	254	251	256	257	259	258	256	257
漏感 LEAKAGE INDUCTANCE	69KHz 0.1V	1~2	30uH Max	12.20	12.10	12.30	12.40	12.40	12.2	12.3	12.6	12.7	12.4
直 流 电 阻 DC RESISTANCE		1~2	0.5Ω MAX	0.32	0.31	0.32	0.31	0.32	0.31	0.32	0.31	0.31	0.31
		5~4	65mΩ MAX	48.50	48.60	48.50	48.60	48.40	48.50	48.40	48.50	48.60	48.50
		10~6	45mΩ MAX	29.5	29.6	29.5	29.4	29.6	29.4	29.5	29.4	29.5	29.4

二.外形尺寸(OUTLINE DIMENSION UNIT:mm):

检测项目 TEST ITEM	规格 SPECIFICATION	1 [#]	2 [#]	3 [#]	4 [#]	5 [#]	6 [#]	7 [#]	8 [#]	9 [#]	10 [#]
长度 (Width)	27.0mm MAX	25.43	25.41	25.42	25.42	25.43	25.46	25.47	25.44	25.44	25.42
高度 (Height)	22.5mm MAX	20.51	20.54	20.53	20.54	20.51	20.51	20.53	20.51	20.51	20.53
宽度 (Width)	29.0mm MAX	27.65	27.66	27.64	27.63	27.61	27.51	27.63	27.64	27.54	27.65
排距 (Pin distance)	20.5±0.5mm	20.35	20.34	20.33	20.34	20.36	20.34	20.36	20.34	20.35	20.36
针距 (Pin distance)	4.0±0.5mm	3.98	3.96	3.97	4.02	4.01	3.99	3.97	3.97	3.95	3.94
针长 (Pin length)	4.0±0.5mm	3.97	3.95	3.96	3.94	3.97	3.99	3.95	3.96	3.94	3.93

項目ITEM	測試儀器TEST INSTRUMENT:		耐壓測試HI-POT:		0.5 mA 60 SEC Hz	
電感/阻抗 IND. /IMP.	■TH2826A □GKT-1062A ■串聯(SER.) □并聯(PAR.)		項目 (□ AC □ DC)		判定	
匝比相位 PHASE TURNS RATIO	□ □ □		P~S 3.0 KV		□ PASS □ NG	
	□ GKT3250 □ TF-6881 □ YG-108		P-C 1.2 KV		□ PASS □ NG	
耐壓 HI-POT	□ CS2670A □ CH-9052		S~C 1.2 KV		□ PASS □ NG	
			P~P KV		□ PASS □ NG	
電阻 RESISTANCE	□ TH2511 □ CH-502A		S~S KV		□ PASS □ NG	
			COIL-COIL KV		□ PASS □ NG	
檢測結果 TEST RESULT	□ PASS		□ FALL			

Test:CuiHongLi

Check:QuQing

QA Check:LongWenCi

Approval:XiaJunYing

Date 15.10.23

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YMX-QR139 Rev.A