



LAYOUT DIAGRAM (原理图): (FIG-1)

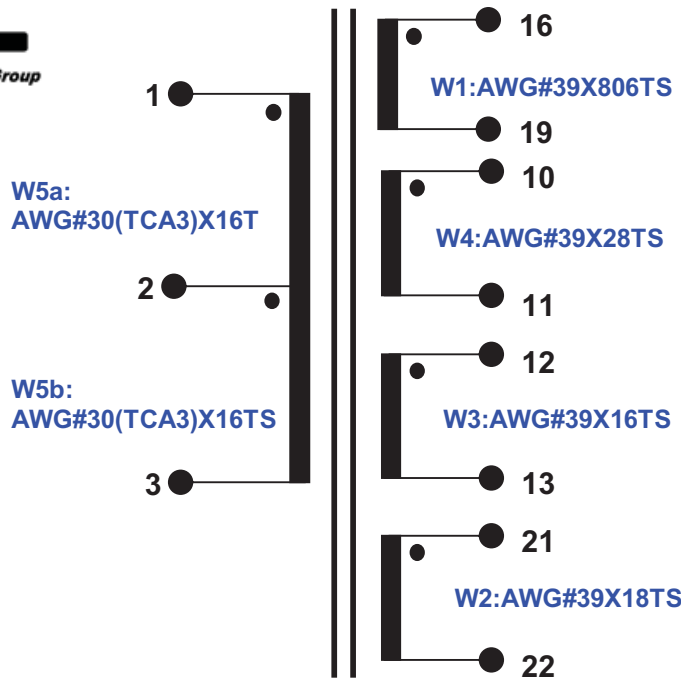
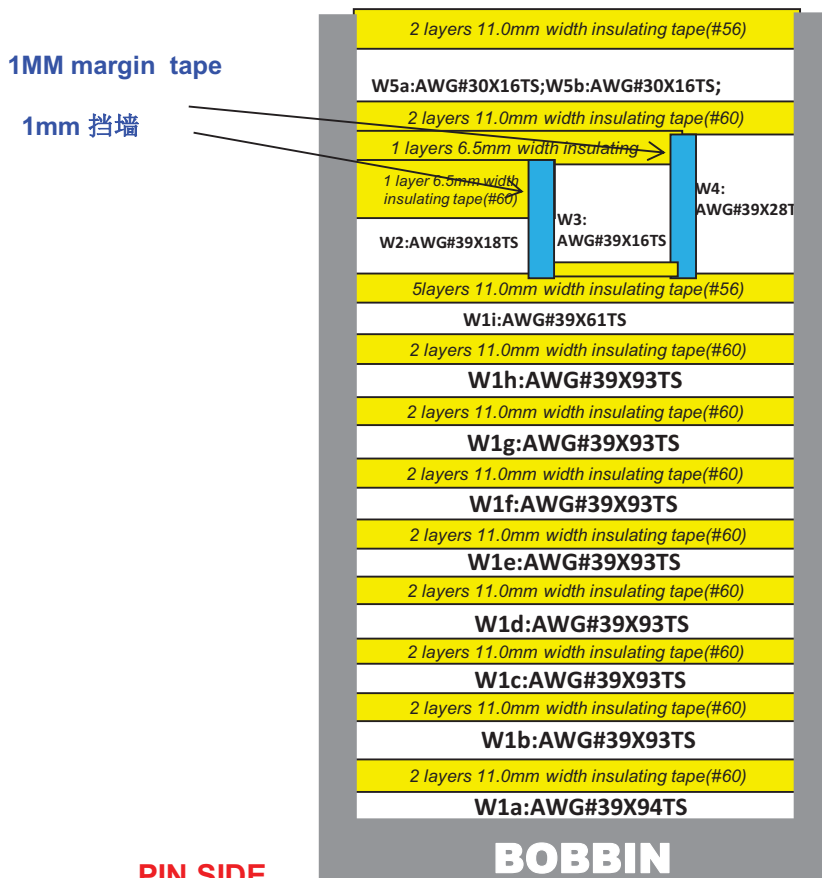


FIG-1

CROSS SECTION DAGRAM剖视图: (FIG-2)



NOTE:

1. Windings 1 used 3 layers of crossover insulation tape #56
 2. Windings 2&3 used 1 layer of crossover insulation tape #56
 3. Winding 4 used 2 layers of crossover insulation tape #56
 3. N1 of the star cover with 3 layers tape and end wires must cover with 1 layer insulating tape #56
- N1绕组尾线用3层#56号胶带隔离, N2&N3绕组尾线用1层#56胶带隔离, N4绕组尾线用2层#56胶带隔离.
- N1进线用3层胶带盖住, 尾线用1层胶带盖住, N2, N3, N4的进线及尾线需用1层胶带盖住(都用#56胶带)

PIN SIDE

BOBBIN

TOP SIDE

FIG-2

Prepared By: Xiecy	Date: 20-Jun-16	TITLE: TRANSFORMER	CUSTOMER Approved: Date:	MODEL NO: EE25	
Checked By: Victor H	Date: 20-Jun-16			REV.	01
Approved By: huanglt	Date: 20-Jun-16			PAGE 1 OF 3	



DATA SPECIFICATION (特性要求): (TABLE-1)

ITEM 项目	MEASUREMENTS 测试脚位	CHARACTERISTICS 测试范围	MEASURING CONDITIONS 测试条件 T=25±4°C;HR(%)=45±15	REMARK 备注
LS 电感	PIN(1-3)	1.15~2.29mH	F(kHz)=1 Ug(V)=0.01	SERIAL MODE 串联模式
DCR 直流电阻	PIN(1-3)	0.85Ω MAX.	/	4WIRE MODE 四线模式
	PIN(16-19)	100Ω MAX.	/	4WIRE MODE 四线模式
	PIN(10-11)	5.0Ω MAX.	/	4WIRE MODE 四线模式
	PIN(12-13)	3.2Ω MAX.	/	4WIRE MODE 四线模式
	PIN(21-22)	3.2Ω MAX.	/	4WIRE MODE 四线模式
HIPOT 耐压	(1-3)/(16-19)(10-11)(12-13)(21-22)	NO Breakdown 漏电流≤1.0mA	VAC=4000V /60SEC. F(Hz)=60	/
	(16-19)/(10-11)(12-13)(21-22)	NO Breakdown 漏电流≤1.0mA	VAC=1000V /60SEC. F(Hz)=60	/
	(10-11)/(12-13)(21-22)	NO Breakdown 漏电流≤1.0mA	VAC=1000V /60SEC. F(Hz)=60	/
	(12-13)/(21-22)	NO Breakdown 漏电流≤1.0mA	VAC=1000V /60SEC. F(Hz)=60	/
TR 圈比	(16-19)/(1-3)	24.7~25.69	F(kHz)=20 Ug(V)=0.1	以平面磁芯 测试为准
	(1-3)/(10-11)	1.12~1.165	F(kHz)=20 Ug(V)=0.1	以平面磁芯 测试为准
	(1-3)/(12-13)	1.96~2.04	F(kHz)=20 Ug(V)=0.1	以平面磁芯 测试为准
	(1-3)/(21-22)	1.742~1.813	F(kHz)=20 Ug(V)=0.1	以平面磁芯 测试为准
Direct capacitance 电容	(1-3)/(16-19)(10-11)(12-13)(21-22)	35pF MAX	F(kHz)=20 Ug(V)=1	PARALLEL MODE 并联模式
Self Resonant Frequency	PIN(1-3)	30KHz MIN	/	/
PH 相位	REFER TO LAYOUT DIAGRAM(FIG-1) 参考原理圖(FIG-1)			

1. 每个产品需附上与流水号标签相符的电感数据(测试记录), 包装时每2个电感最接近的产品放在一起(电感相差不超过±0.2mH.)

2. Sorting of test data (by supervisor) :测试数据的排序(审核)

a. Enter serial number and corresponding inductance into an Excel spreadsheet (test recording sheet).

登记流水号和相应的电感值到EXCEL电子表格(测试记录)

b. Sort by inductance from lowest to highest.

将电感从低到高排序

c. Highlight matching pairs. A pair is matched if inductance is within ±0.2mH of each other

标记相配的对, 相配的2个产品之间的电感相差不超过±0.2mH.

d. Any outliers that cannot be matched are to be noted clearly on this test sheet.

一些不能相配的异常值, 在测试记录上标注清楚.

e. Provide overall shipment' excel data file including Serial Number, Inductance, paired Unit and Date Code.

提供整体出货的excel数据文件, 包括序列号, 电感, 配对单位和日期代码。

f. Data of matched pairs shall be included in each box. Data sheet shall show: date code, paired serial numbers and Inductance of 1-3 (specified above) for each serial number included in box.

已经配对产品的数据表必须要在放在对应的天地盒里. 而此数据表需要包括配对产品的流水号和对应的电感值(Pin 1-3), 以及生产周期.

g. Send a copy of the test sheet with each box to the customer.

每个天地盒内需附一张相应的测试记录给客户.

h. Send a copy of the test sheet with each batch order to the customer.

每批订单需附一张总的测试记录给客户.

100% testing for the above electrical characteristics.

所有产品按以上要求进行100%测试.

Quality Requirement: (品质要求)

Ref ANSI/ASQC. Z1.4 2008 Level II . Major AQL=0.4% Minor AQL=1.0%.

参照ANSI/ASQC. Z1.4 2008 Level II . Major AQL=0.4% Minor AQL=1.0%.

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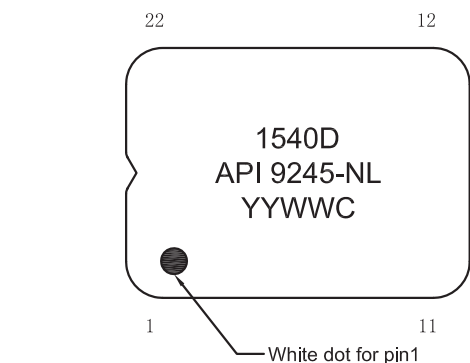


FIG-3

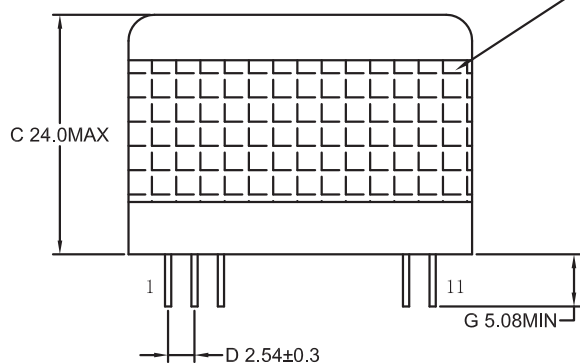


FIG-4

Kapton Tape:18.0mm 1Turn

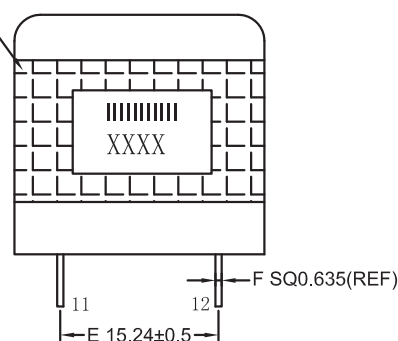


FIG-6

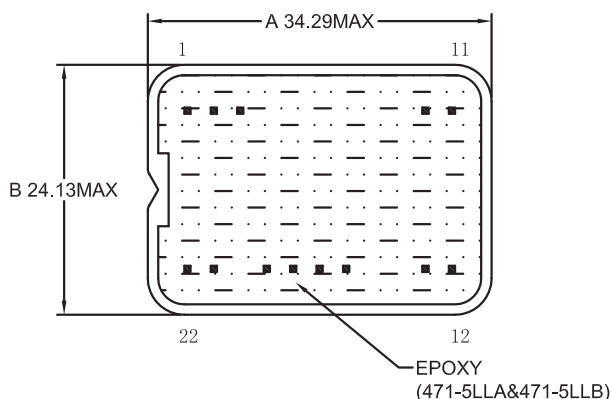


FIG-5

Notes:

- The bobbin must remove pin4&5&6&7&8&9&14&15&20; Bobbin需拔掉pin4&5&6&7&8&9&14&15&20;
- Assembly the core with epoxy400-36 用400-36胶将磁芯固定.
- The core are to be held with 2 layers 6.5mm(56#) width tape. 在铁芯上包2圈 6.5mm(56#)宽的胶纸.
- The product must be vacuum impregnated in varnish. 产品需含浸凡立水且抽真空.
- Assembly the transformer on the case with epoxy(471-5LLA&471-5LLB); 将变压器组装在CASE里,并在CASE内灌胶(471-5LLA&471-5LLB);
- YYWWC: year and week code(FIG-5),C is API-assigned vender code. YYWWC:年份周期代码(FIG-5),C表示API指定供应商代码.
- The part should be complied with RoHS. 产品需满足RoHS要求.
- Marking on outer packaging must be marked with "API",API-assigned vender code,API part number,customer part number,and manufacturing date code. 产品包装外箱上需印上"API",API指定的供应商代码,API编号,客户产品编号,生产的周期代码.
- XXXX:Serial label from 0001 to 9999. XXXX:数字标签为流水号,从0001到9999. IIIII:Serial label for bar code. IIIII:数字流水号对应的条码.
- Serial label outside wrap 1turn 18.0mm kapton tape. ensure lable is covered/sealed on all 4 edges. 条码标签外包围一圈18.0mm宽高温胶纸,确保标签在所有4个边缘都被覆盖.

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Approved By:	Date :			PAGE 3 OF 3		

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