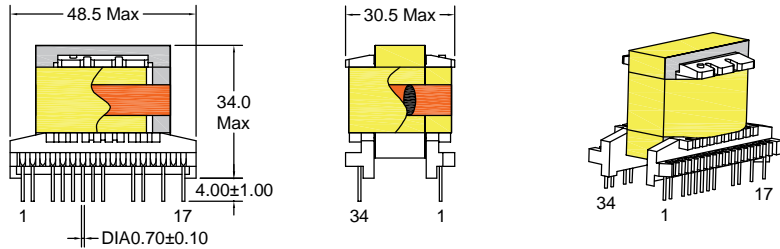


P/N: FAE33-3405



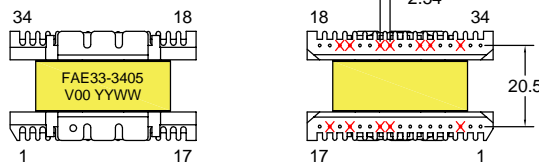
Outline Dimensions(Unit:mm):



Orthographic view

Side view

Stereogram



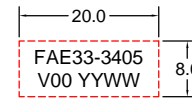
Top view

Bottom view

REMARK:

- Fixed Core With 3Ts Tape
(磁芯包胶带3Ts);
- Remove pin3,10,11,14,16,20,21,24,25,28,29,32
(去除pin3,10,11,14,16,20,21,24,25,28,29,32);
- Wrap T0.025mm*10.0mm self-adhesive copper foil 1.1Ts around the wire wrap direction, with the head and tail welded on the pin 1-34 side; Finally, wrap 17mm adhesive tape 2Ts around the wire wrap direction.
(围绕线包方向包T0.025mm*10.0mm自粘铜箔1.1Ts,首尾焊接于pin1-34侧;最后围绕线包方向包17mm胶带2Ts);
- Product vacuum impregnation
(产品需真空含浸).

Label:

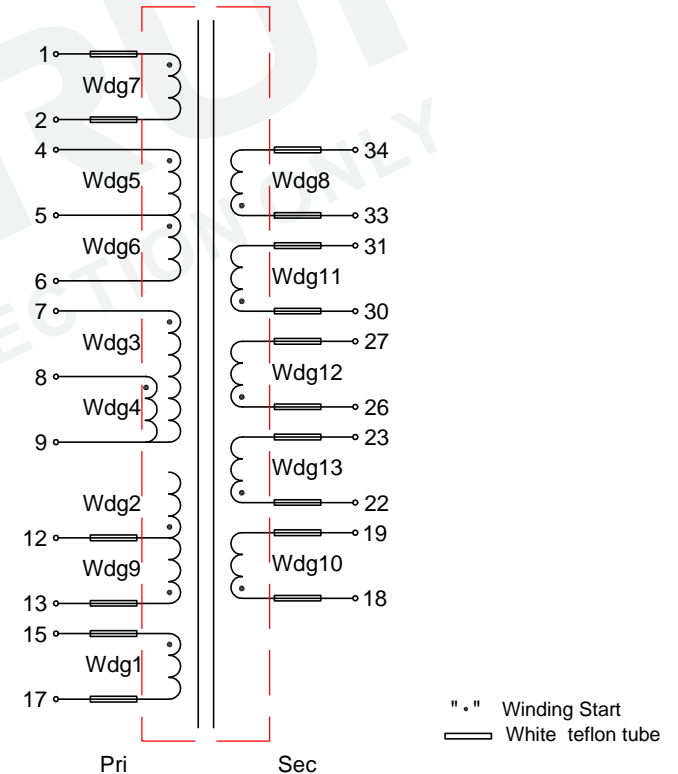


yy:year ww:cycle

Remark:

- Use black words on transparent background or laser label;
(使用透明底黑字或激光标签)
- Clear writing and legibility, not easy to erase;
(字迹清晰易读,不易擦除)
- Border here means size range, not be printed;
(此处的边框表示尺寸范围,不能打印)
- Font:Arial;Height:2.00mm.
(字体:Arial;高度:2.00mm)

Electronical Schematic:



				Tianchang Fuan Electronic Co Ltd www.fuantronics.net TEL: +86-550-7814888 FAX: +86-550-7831133	 Tolerances unless otherwise specified: (.X)±0.50 (XX)±0.25 Unit of measurement: mm	Make: Qiumei.Liu Checked: Beson. zhan Approved: Anson. zhan	DRAWING TITLE EE33 High frequency switching power transformer Material Number:	Customer P/N: SM33273404 Document/Rev: 2303207/00 Specification Sheet: 1 of 3 Date of Recognition: July./13/2023
REV	DESCRIPTION	APPD	DATE					

P/N: FAE33-3405



Electrical Characteristics:

Inductance : L15-17= 3.80mH±15%,at 1KHz,0.3V.

D.C.Resistance : 1-2= 280 mohms Max.

4-5= 158 mohms Max.

5-6= 158 mohms Max.

7-9= 180 mohms Max.

8-9= 48.0 mohms Max.

13-12= 370 mohms Max.

15-17= 1970 mohms Max.

18-19= 620 mohms Max.

22-23= 660 mohms Max.

26-27= 660 mohms Max.

30-31= 660 mohms Max.

33-34= 94.0 mohms Max.

Turns Ratio : Wdg1:Wdg3:Wdg4:Wdg5:Wdg6:Wdg7:Wdg8:Wdg9:Wdg10

:Wdg11:Wdg12:Wdg13=1:0.128:0.03:0.075:0.075:0.128:0.03

:0.083:0.135:0.135:0.135:0.135±2%,at 20KHz,1V.

Hipot : Pri-Sec : 3000VAC/5mA/2second.

Pri&Sec-Core : 1500VAC/5mA/2second.

Coil-Coil : 600VAC/5mA/2second.

Weight:≈65.0g.

List of UL Certificate:

No.	Part Name	Mat'l Description	Supplier	UL Number
1	Bobbin	EE-3313/T375HF	Chang Chun Plastics Co Ltd	E59481
2	Core	EE33/12.7 PC44	Auihui Zhongfu Magnetolectricity Co Ltd or Equivalent	N/A
3	Copper wire	xUEW/155/MW 79-C	JiangSu Dartong M & E Co Ltd	E237377
4	Tape	WF310 (a)/130C	Jingjiang Jingyi Adhesive Product Co Ltd	E246950
		JY25-A (b)/130C(Faint Yellow)		
5	Tube	CB-TT-L/200°C	ChangYuan Electronics Group Co Ltd	E180908
6	Copper foil	T0.025mm*10.0mm(自粘)	Shenzhen Jinchuang metal materials Co Ltd	N/A
7	Varnish	T-4260(a)/MW80-C	SuZhou TaiHu Electric Advanced Material Co Ltd	E228349

				Tianchang Fuan Electronic Co Ltd www.fuantronics.net TEL: +86-550-7814888 FAX: +86-550-7831133	 Tolerances unless otherwise specified: (.X)±0.50 (XX)±0.25 Unit of measurement: mm	Make: Qiumei.Liu Checked: Beson. zhan Approved: Anson. zhan	DRAWING TITLE EE33 High frequency switching power transformer Material Number:	Customer P/N: SM33273404 Document/Rev: 2303207/00 Specification Sheet: 2 of 3 Date of Recognition: July/13/2023
REV	DESCRIPTION	APPD	DATE					

P/N: FAE33-3405



Notes of use:

1. The best assembly quality guarantee period of product : 12 months (From manufacture date).
Storage condition : seal in packaging, temperature 40 , RH 70%;
2. If taking out for use, the remaining products should be sealed in plastic bag and preserved in accordance with the above conditions, to avoid the effect of electrode oxidation on soldering status;
3. Do not keep products in unsuitable storage conditions, such as areas susceptible to high temperature, high humidity, dust or corrosion, and etc;
4. Do always handle products with care to avoid damage;
5. Do not touch electrodes with bare hands directly, as oil secretions may inhibit soldering;
6. When product will be used on a similar or new project to the original one, sometimes it might be unable to satisfy the specification due to different condition of usage;
7. This prouct itself does not have any protective function in abnormal conditions, such as overload,high temperature, high voltage and etc;
8. Hi-Pot test with higher voltage than spec value might damage insulation material and shorten its life;
9. Please do not clean this product. Washing agents used during the production to clean the application may damage or change the characteristics of the wire insulation, marking or plating. Washing agents may have a negative effect on the long-term functionality of the product. If necessary, please consult with us;
10. This product meets RoHS compliance. It contains about 90% metal components such as copper and iron, and has good recycling value. However, the product also contains plastic components such as epoxy resin, which is difficult to degrade naturally, so do not throw away at will. If need to be scrapped, please submit to the company with recycling qualification for recycling and reuse;
11. For optimized solderability, inductor stock should be used promptly, preferably within six months of receipt.

				Tianchang Fuan Electronic Co Ltd www.fuantronics.net TEL: +86-550-7814888 FAX: +86-550-7831133	 Tolerances unless otherwise specified: (.X)±0.50 (XX)±0.25 Unit of measurement: mm	Make: Qiumei.Liu Checked: Beson. zhan Approved: Anson. zhan	DRAWING TITLE EE33 High frequency switching power transformer Material Number:	Customer P/N: SM33273404 Document/Rev: 2303207/00 Specification Sheet: 3 of 3 Date of Recognition: July/13/2023
REV	DESCRIPTION	APPD	DATE					

QR/FA-8.3-12

QA成品检验测试报告 (TEST REPORT)

客户代码 Client code	PR09651		产品名称 Product Name	EE33 High frequency switching power transformer		出货数量 Shipping Qty	10 PCS											
订单号 P/I NO	PR09651-S001		产品型号 Part NO	FAE33-3405 REV00		抽样数 Sampling Number	10 PCS											
生产批次 Production batch			日期 Date	2024-11-19		温湿度 TEMP/HUM	23 °C / 49 %											
抽样计划Sampling inspection plan MIL-STD-105E LEVEL-II						最终判定 Final decision	测试仪器											
检验项目 Inspection items	AQL	ACC	RJC	抽样数/不良数 sampling/pcsdefect		判定 decision	接受ACC	拒收RJC										
外观 Appearance	0.65	0	1	10	/	0	<input checked="" type="checkbox"/> OK <input type="checkbox"/> NG	<input type="checkbox"/> 7122 <input type="checkbox"/> 4287A <input type="checkbox"/> AT3600 <input type="checkbox"/> DPG10-1000B <input type="checkbox"/> GDM-8245 <input type="checkbox"/> ZX8815 <input type="checkbox"/> GK10010 <input type="checkbox"/> ZX1375X <input checked="" type="checkbox"/> ZX2789 <input checked="" type="checkbox"/> LK2670AX <input checked="" type="checkbox"/> ZX5512B <input checked="" type="checkbox"/> 卡尺										
尺寸 Size	0.1	0	1	10	/	0	<input checked="" type="checkbox"/> OK <input type="checkbox"/> NG	<input checked="" type="checkbox"/> OK <input type="checkbox"/> NG										
电气性能 Electrical performance	0.1	0	1	10	/	0	<input checked="" type="checkbox"/> OK <input type="checkbox"/> NG											
检验记录																		
测试项目 Test Item	电感 Inducta	铜阻 D. C. Res											高压测试 Hipot Test					
	L15-17	R1-2	R4-5	R5-6	R7-9	R8-9	R13-12	R15-17	R18-19	R22-23	R26-27	R30-31	R33-34	Pri-Sec : 3000VAC/5mA/2secon	OK			
计量单位 Measurement	<input checked="" type="checkbox"/> mH <input type="checkbox"/> uH	<input type="checkbox"/> Ω <input checked="" type="checkbox"/> mΩ	<input type="checkbox"/> Ω <input checked="" type="checkbox"/> mΩ	<input type="checkbox"/> Ω <input checked="" type="checkbox"/> mΩ	<input type="checkbox"/> Ω <input checked="" type="checkbox"/> mΩ	<input type="checkbox"/> Ω <input checked="" type="checkbox"/> mΩ	<input type="checkbox"/> Ω <input checked="" type="checkbox"/> mΩ	<input type="checkbox"/> Ω <input checked="" type="checkbox"/> mΩ	<input type="checkbox"/> Ω <input checked="" type="checkbox"/> mΩ	<input type="checkbox"/> Ω <input checked="" type="checkbox"/> mΩ	<input type="checkbox"/> Ω <input checked="" type="checkbox"/> mΩ	<input type="checkbox"/> Ω <input checked="" type="checkbox"/> mΩ	<input type="checkbox"/> Ω <input checked="" type="checkbox"/> mΩ	Pri&Sec-Core : 1500VAC/5mA/2secon	OK			
测试条件 Test condition	1KHz/ 0.30V	at 25°C	at 25°C	at 25°C	at 25°C	at 25°C	at 25°C	at 25°C	at 25°C	at 25°C	at 25°C	at 25°C	at 25°C	Coil-Coil : 600VAC/5mA/2second	OK			
规格上限ON Specifications	4.37	280	158	158	180	48.0	370	1970	620	660	660	660	94.0					
规格中心IN Specification	3.80																	
规格下限UN Specifications	3.23																	
样本 Sample	①	3.83	221	126	125	150	39.0	302	1672	500	548	530	516	78.3	外观 Appearanc	圈比 TurnsRatio		
	②	3.82	222	127	126	152	39.0	305	1672	505	550	535	519	78.1			按品质标准 Byquality standard	Wdg1:Wdg3:Wdg4:Wdg5:Wdg6:Wdg7:Wdg8:Wdg9:Wdg10:Wdg11:Wdg12:Wdg13=1:0.128:0.03:0.075:0.075:0.128:0.03:0.083:0.135:0.135:0.135:0.135±2%, at 20KHz, 1V
	③	3.83	222	126	126	150	39.0	304	1689	502	547	532	517	78.8				
	④	3.81	221	126	125	151	40.0	302	1675	500	545	531	516	77.8	OK	OK		
	⑤	3.81	220	127	126	151	39.0	305	1682	505	550	534	519	78.6	OK	OK		
	⑥	3.81	224	127	126	151	39.0	306	1675	502	546	533	517	77.6	OK	OK		
	⑦	3.82	222	126	125	151	39.0	306	1679	513	551	539	527	77.6	OK	OK		
	⑧	3.82	224	128	126	151	38.0	304	1683	507	545	529	516	78.4	OK	OK		
	⑨	3.81	222	127	127	152	39.0	303	1672	506	549	534	520	79.2	OK	OK		
	⑩	3.82	219	126	126	150	38.0	307	1671	510	549	533	523	79.9	OK	OK		
测试项目 Test Item	尺寸Size								计量单位: Measurement unit: <input checked="" type="checkbox"/> mm <input type="checkbox"/> in									
	长 Length	宽 Width	高 Height	排距Row spacing	PIN距 Distance1	PIN距 Distance2	PIN距 Distance3	PIN长 Length	PIN径 Diameter									
规格上限ON Specifications	48.50	30.50	34.00	21.00	2.75	5.33	7.87	5.00	0.80									
规格中心IN Specification				20.50	2.50	5.08	7.62	4.00	0.70									
规格下限UN Specifications				20.00	2.25	4.83	7.37	3.00	0.60									
样本 Sample	①	47.06	28.75	33.50	20.38	2.52	5.04	7.52	4.17	0.70								
	②	47.02	28.56	33.65	20.24	2.60	5.18	7.56	3.91	0.70								
	③	47.18	29.01	33.73	20.42	2.55	5.13	7.68	4.17	0.69								
	④	47.01	28.49	33.76	20.23	2.46	5.02	7.57	4.20	0.70								
	⑤	47.03	28.72	33.92	20.41	2.58	4.92	7.63	4.09	0.68								
备注 Remark																		
核准APPROVED: 詹学良					审核CHECKED: 詹勇					制作INSPECTED: 刘秋梅								