

Specification for approval

Description(产品类型):	Encapsulated transformer
Customer(客户)p/n:	
ZETTLER(赛特勒) p/n:	BV30XXXX006
Revision(版本号):	A4
页 数/Page:	7

Drafted(制作): Li xiaoxu
Checked(审核): Chen chaolu
Approved(确认): He zongnian



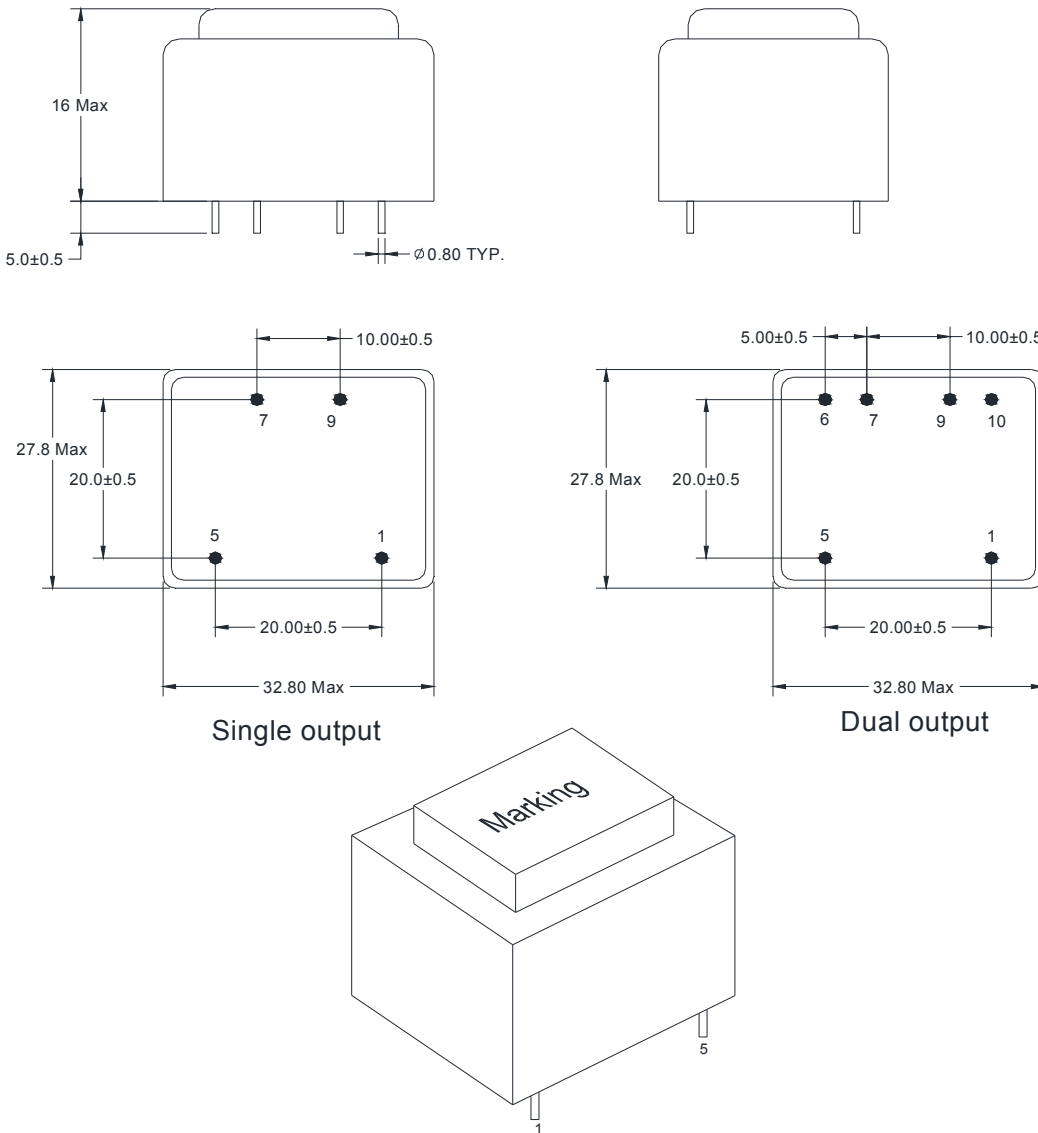
Rev.	Date	Description	Approved
A4	2022/7/18	Add BOM. Add VDE UL ambient TEMP. in the precautions for use Add UL,VDE and CQC file numbers	Li xiaoxu
A3	2022/4/21	Add VDE ambient TEMP. into marking	Li xiaoxu
A2	2022/3/4	Remove not CE conform parts for EU market	Stöckel
A1	2021/12/20	Merge the data code into the marking	Li xiaoxu
Rev.	Date	Description	Approved

Approved by Customer (客户确认) : _____

Friendly Reminder: Please help to sign this Spec when approve , and fax to our company .Or else, we will consider you have accepted it and make future order based on this Spec.

友情提示:请在签字确认后,按封面的传真号码回传给赛特勒磁电有限公司.如无回传,则视为默认,后续的相关订单将以按本承认书的规定为技术要求.

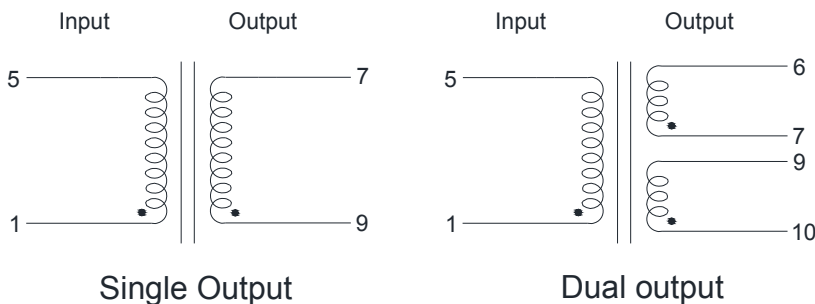
1、OUTLINE DRAWING(外形图):UNIT(单位): mm



Notes :

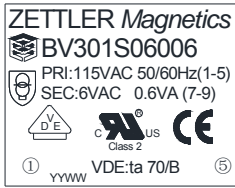
- ◆ PCB opening aperture is recommended to be 1.3mm; (建议 PCB 开孔孔径为 1.3mm)
- ◆ If PIN layout and footprint have slightly deviation, please refer to actual PCB assembly, the ones can be normally inserted into PCB is qualified . (PIN 距、排距尺寸测量有偏差时, 以 PCB 下板实装确认, 可正常下板为合格)
- ◆ The Pin length doesn't include the solder tip (PIN 脚长度不包括锡尖)

2、SCHEMATIC(原理图):

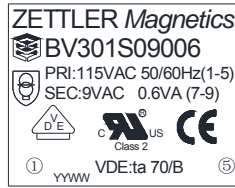


3、Marking (标签图)

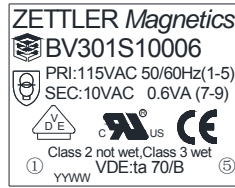
BV301S06006



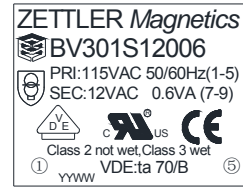
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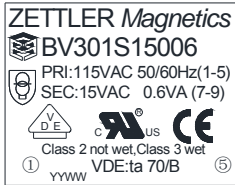
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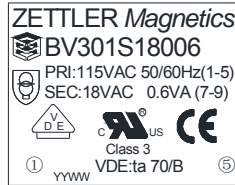
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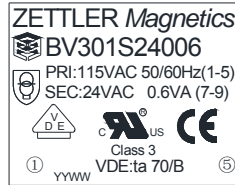
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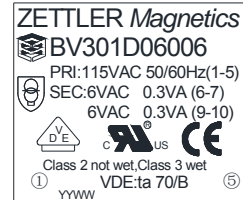
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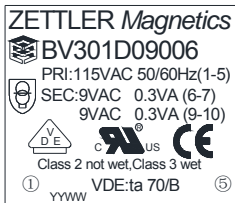
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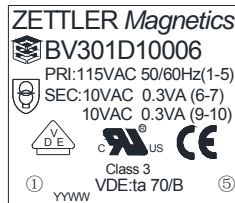
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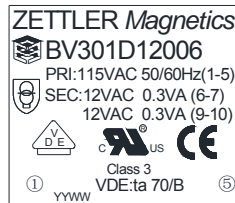
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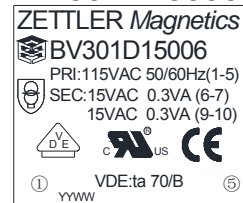
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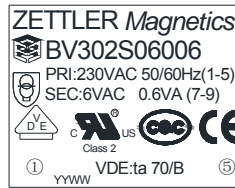
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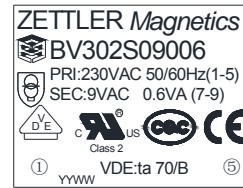
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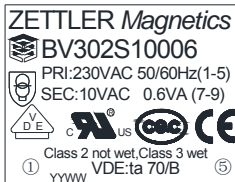
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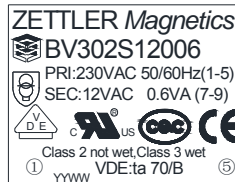
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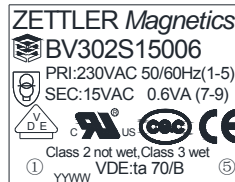
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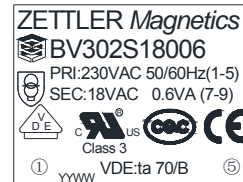
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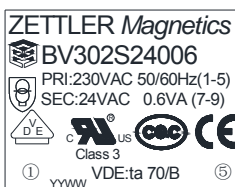
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BV302S18006



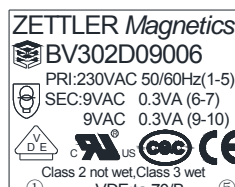
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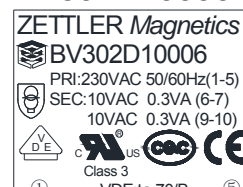
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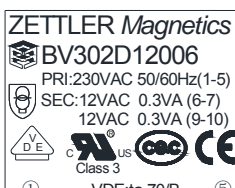
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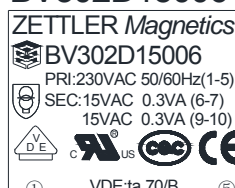
BV302D10006



BV302D12006



BV302D15006



YY:Year WW:Week

4-1、ELECTRICAL SPECIFICATION(电气特性测试)(Single Output 单输出):

ITEM (项目)	EXCITATION CURRENT 空载电流(mA) Max	LOSS POWER 空载损耗 (W) Max	RATED LOAD VOLTAGE 负载电压(V)	NO LOAD VOLTAGE 空载电压(V) max	HI-POT VOLTAGE 耐压	INSULATION RESISTANCE 绝缘阻抗	RESISTANCE 直流电阻(Ω)	
测试条件 TEST CONDITION	Input 输入:115V 50Hz		Input 输入:115V 50Hz		1mA/1S/ 50Hz	DC 500V 100MΩ	Ta=25℃	
端子 TERMINAL	1--5		7--9	7--9	P--S	P--S	1--5	7--9
BV301S06006	32	1.9	6.3±10%@ 100mA	10.5	2800V	DC 500V 100MΩ MIN	1900±30%	24.5±30%
BV301S09006	32	1.9	9.5±10%@ 66mA	15.8			1900±30%	52±30%
BV301S10006	32	1.9	10±10%@ 60mA	16.5			1900±30%	52±30%
BV301S12006	32	1.9	12.5±10%@ 250mA	20.5			1900±30%	93.3±30%
BV301S15006	32	1.9	15.8±10%@ 40mA	26.5			1900±30%	150±30%
BV301S18006	32	1.9	18.5±10%@ 33mA	30.5			1900±30%	208±30%
BV301S24006	32	1.9	25±10%@ 25mA	40.9			1900±30%	400±30%
测试条件 TEST CONDITION	Input 输入:230V 50Hz		Input 输入:230V 50Hz				1mA/1S/ 50Hz	DC 500V 100MΩ
端子 TERMINAL	1--5		7--9	7--9	P--S	P--S	1--5	7--9
BV302S06006	16	1.9	6.3±10%@ 100mA	10.5	4200V	DC 500V 100MΩ MIN	7600±30%	24.5±30%
BV302S09006	16	1.9	9.5±10%@ 66mA	15.8			7600±30%	52±30%
BV302S10006	16	1.9	10±10%@ 60mA	16.5			7600±30%	52±30%

BV302S12006	16	1.9	12.5±10%@ 250mA	20.5			7600±30%	93.3±30%
BV302S15006	16	1.9	15.8±10%@ 40mA	26.5			7600±30%	150±30%
BV302S18006	16	1.9	18.5±10%@ 33mA	30.5			7600±30%	208±30%
BV302S24006	16	1.9	25±10%@ 25mA	40.9			7600±30%	400±30%

4-2、ELECTRICAL SPECIFICATION(电气特性测试)(Dual output 双输出):

ITEM (项目)	EXCITATION CURRENT 空载电流(mA) Max	LOSS POWER 空载损耗 (W)Max	RATED LOAD VOLTAGE 负载电压(V)		NO LOAD VOLTAGE 空载电压(V) max	HI-POT VOLTAGE 耐压	INSULATION RESISTANCE 绝缘阻抗	RESISTANCE 直流电阻(Ω)		
测试条件 TEST CONDITION	Input 输入:115V 50Hz		Input 输入:115V 50Hz			1mA/1S/ 50Hz	DC 500V 100MΩ	Ta=25℃		
端子 TERMINAL	1--5		6--7	9--10	6--7 9--10	P--S	P--S	1--5	6--7	9--10
BV301D06006	32	1.9	6.3±10%@ 50mA	6.3±10% @ 50mA	2×10.5	2800V	DC 500V 100MΩ MIN	1900±30%	51.5±30%	42.7±30%
BV301D09006	32	1.9	9.5±10%@ 33mA	9.7±10% @ 33mA	2×15.5			1900±30%	109.5±30 %	88.9±30%
BV301D10006	32	1.9	10±10%@ 30mA	10±10%@ 30mA	2×16.5			1900±30%	109.5±30 %	88.9±30%
BV301D12006	32	1.9	12.5±10%@ 25mA	12.5±10% @ 25mA	2×20.5			1900±30%	210±30%	173.5±30%
BV301D15006	32	1.9	15±10%@ 20mA	15±10%@ 20mA	2×26.5			1900±30%	323±30%	265±30%
测试条件 TEST CONDITION	Input 输入:230V 50Hz		Input 输入:230V 50Hz					1mA/1S/ 50Hz	DC 500V 100MΩ	Ta=25℃
端子 TERMINAL	1--5		6--7	9--10	6--7 9--10	P--S	P--S	1--5	6--7	9--10
BV202D06005	12	6.3±10% @ 41.8mA	6.3±10%@ 50mA	6.3±10% @ 50mA	2×10.5	4200V	DC 500V 100MΩ MIN	7600±30%	51.5±30%	42.7±30 %

BV202D09005	12	9.5±10% @ 27.8mA	9.5±10% @ 33mA	9.7±10% @ 33mA	2×15.5			7600±30%	109.5±30%	88.9±30 %
BV202D10005	12	10.5±10 % @ 25mA	10±10% @ 30mA	10±10% @ 30mA	2×16.5			7600±30%	109.5±30%	88.9±30 %
BV202D12005	12	12.5±10 % @ 20.8mA	12.5±10% @ 25mA	12.5±10% @ 25mA	2×20.5			7600±30%	210±30%	173.5±30 %
BV202D15005	12	15.5±10 % @ 16.7mA	15.5±10% @ 20mA	15.5±10% @ 20mA	2×26.5			7600±30%	323±30%	265±30%

5、PRECAUTIONS FOR USE (产品使用注意事项):

Ambient temperature range(使用环境温度范围): -25~+70℃

Storage temperature range(保存温度范围): -25~+85℃

Ambient TEMP.(VDE): ta 70/B

Ambient TEMP.(UL): ta 40/B

UL 认证号/ UL file No.: E177998

VDE 认证号/VDE file No.: 40022230

CQC 认证号/CQC file No.: CQC09001030821

6. BOM (材料表):

NO. 序号	MATERIAL TYPE 材料名称	DESCRIPTION 规格描述	SUPPLIERS 供应商	UL NO. 认证号
1	BOBBIN	PBT 4130 94V-0 PA66 A3X2G5, (94-V0)	CHANG CHUN PLASICS CO LTD BASF SE	E59481 E41871
		PBT 4130 94V-0 PA66 A3X2G5, (94-V0)	CHANG CHUN PLASICS CO LTD BASF SE	E59481 E41871
3	WIRE	UEW	ELEKTRISOLA HANGZHOU CO LTD TA YA ELECTRIC LTD YICHI NingBo XINJIAN ELECTRONICS INDUSTRY CO., LTD	E258243 E197768 E363385 E197317
4	GLUE	PU552FL	WEVO-CHEMIE GMBH	E108835
		7800AR(*)/7800BR(#)	WUXI EAST-GRACE ELECTRONIC MATERIAL TECHNOLOGY CO LTD	E309982