

Specification for approval

Description(产品类型):	Encapsulated transformer
Customer(客户)p/n:	
ZETTLER(赛特勒) p/n:	BV30XXXX010
Revision(版本号):	A4
页 数/Page:	7

Drafted(制作): Li xiaoxu

Checked(审核): Chen chaolu

Approved(确认): He zongnian



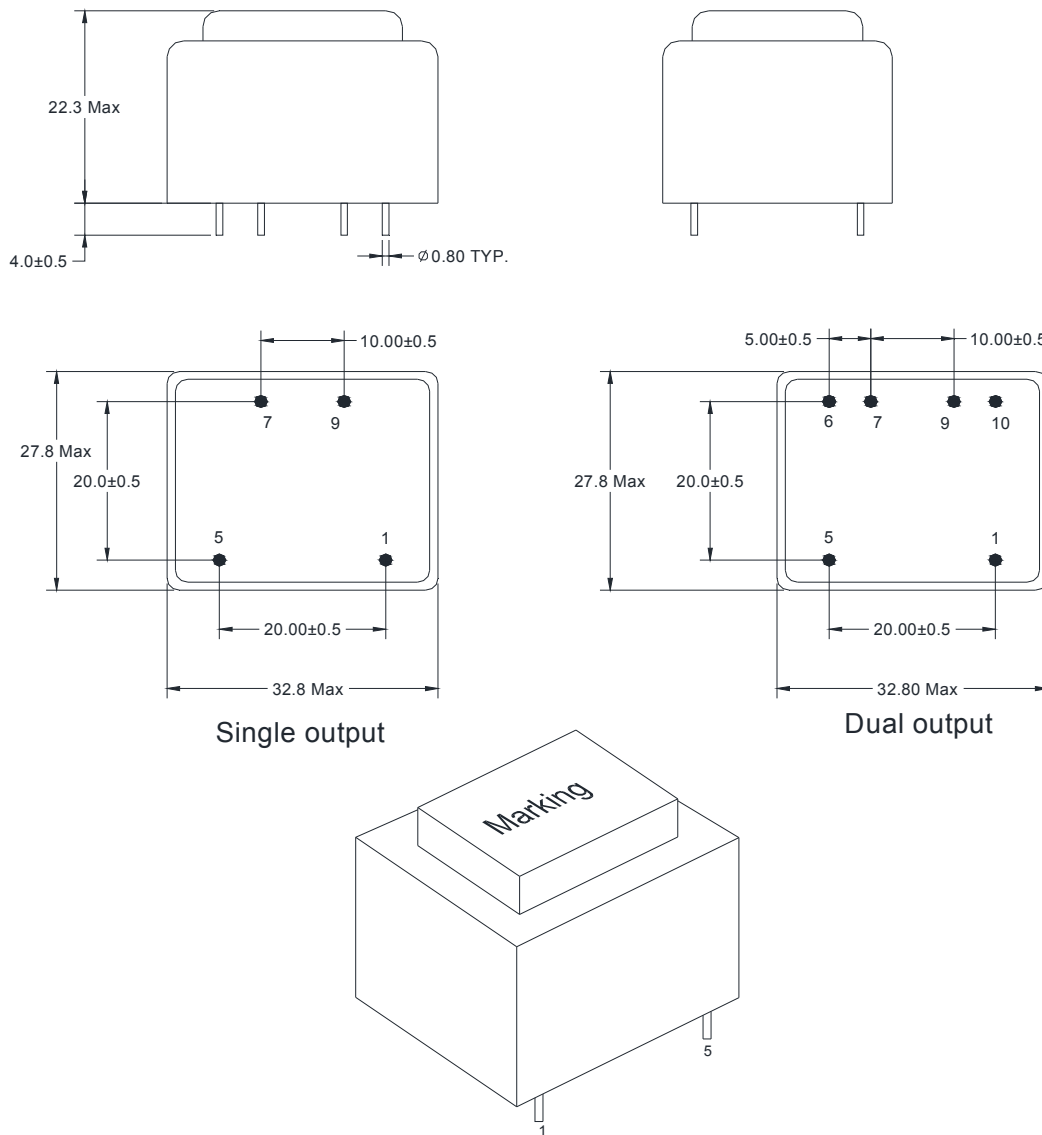
Rev.	Date	Description	Approved
A4	2022/7/20	Add BOM. Add VDE UL ambient TEMP. in the precautions for use Add UL,VDE and CQC file numbers	Li xiaoxu
A3	2022/4/22	Add VDE ambient TEMP. into marking	Li xiaoxu
A2	2022/3/4	Remove not CE conform parts for EU market	Stöckel
A1	2021/11/15	Merge the data code into the marking	Li xiaoxu

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.

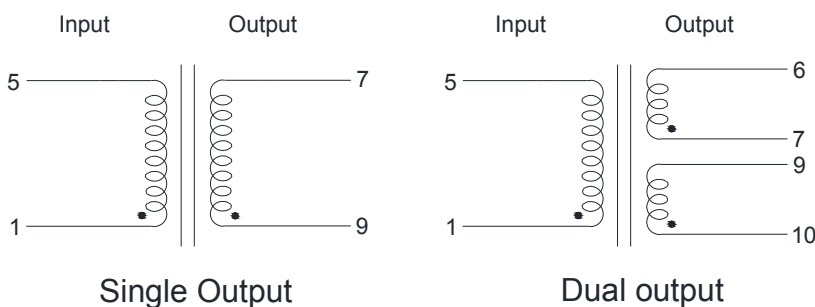
1、OUTLINE DRAWING(外形图):UNIT(单位): mm



Notes :

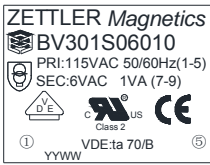
- ◆ PCB opening aperture is recommended to be 1.3mm; (建议 PCB 开孔孔径为 1.3mm)
- ◆ If PIN layout and footprint have slightly deviation, please refer to actual PCB assembly, the ones can be normally inserted into PCB is qualified . (PIN 距、排距尺寸测量有偏差时, 以 PCB 下板实装确认, 可正常下板为合格)
- ◆ The Pin length doesn't include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

2、SCHEMATIC(原理图):

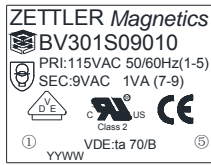


3、Marking (标签图)

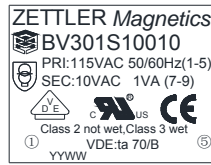
BV301S06010



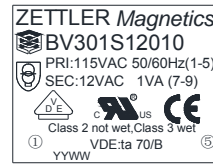
BV301S09010



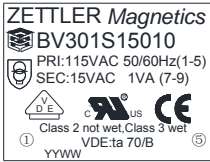
BV301S10010



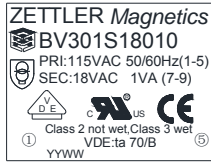
BV301S12010



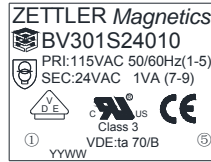
BV301S15010



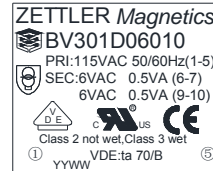
BV301S18010



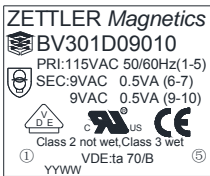
BV301S24010



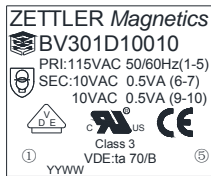
BV301D06010



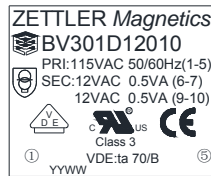
BV301D09010



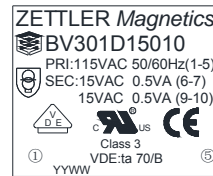
BV301D10010



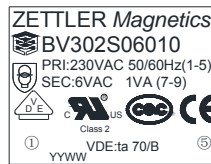
BV301D12010



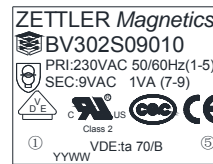
BV301D15010



BV302S06010



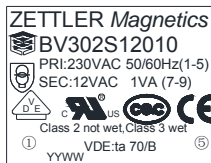
BV302S09010



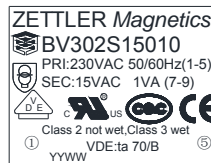
BV302S10010



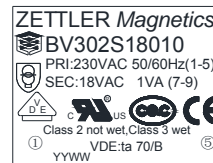
BV302S12010



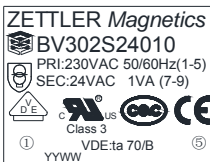
BV302S15010



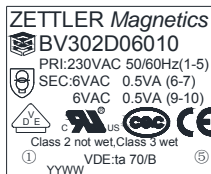
BV302S18010



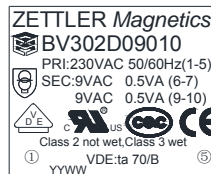
BV302S24010



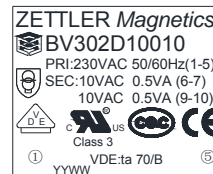
BV302D06010



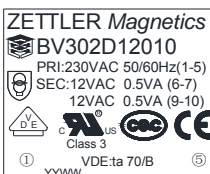
BV302D09010



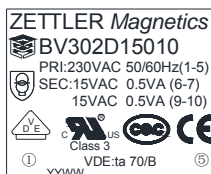
BV302D10010



BV302D12010



BV302D15010



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°C	
端子 TERMINAL	1--5		7--9	7--9	P--S	P--S	1--5	7--9
BV301S06010	25	0.8	6.3±10%@ 167mA	8.6	2800V	DC 500V 100MΩ MIN	910±30%	7.4±30%
BV301S09010	25	0.8	9.3±10%@ 111mA	12.9			910±30%	16.8±30%
BV301S10010	25	0.8	10±10%@ 100mA	13.5			910±30%	16.8±30%
BV301S12010	25	0.8	12.5±10% @ 83mA	17.2			910±30%	28.5±30%
BV301S15010	25	0.8	15.5±10% @ 67mA	21.6			910±30%	46±30%
BV301S18010	25	0.8	18.5±10% @ 56mA	25.9			910±30%	63.7±30%
BV301S24010	25	0.8	24.5±10% @ 42mA	37.9			910±30%	123±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
BV302S06010	13	0.8	6.3±10%@ 167mA	8.6	4200V	DC 500V 100MΩ MIN	3520±30%	7.4±30%
BV302S09010	13	0.8	9.3±10%@ 111mA	12.9			3520±30%	16.8±30%
BV302S10010	13	0.8	10±10%@ 100mA	13.5			3520±30%	16.8±30%

BV302S12010	13	0.8	12.5±10% @ 83mA	17.2			3520±30%	28.5±30%
BV302S15010	13	0.8	15.5±10% @ 67mA	21.6			3520±30%	46±30%
BV302S18010	13	0.8	18.5±10% @ 56mA	25.9			3520±30%	63.7±30%
BV302S24010	13	0.8	24.5±10% @ 42mA	37.9			3520±30%	130±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 E 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
BV301D06010	25	0.8	2×6.3±10% @ 2×83mA	2×8.6	2800V	DC 500V 100MΩ MIN	910±30%	15±30%	13±30%
BV301D09010	25	0.8	2×9.3±10% @ 2×56mA	2×12.9			910±30%	32.5±30%	27.8±30%
BV301D10010	25	0.8	2×10±10% @ 2×50mA	2×13.5			910±30%	32.5±30%	27.8±30%
BV301D12010	25	0.8	2×12.5±10% @ 2×42mA	2×19			910±30%	65.2±30%	57.2±30%
BV301D15010	25	0.8	2×15.5±10% @ 2×33mA	2×23.6			910±30%	101.1±30 %	88.2±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
BV302D06010	13	0.8	2×6.3±10% @ 2×83mA	2×8.6	4200V	DC 500V 100MΩ MIN	3520±30%	15±30%	13±30%
BV302D09010	13	0.8	2×9.3±10% @ 2×56mA	2×12.9			3520±30%	32.5±30%	27.8±30%
BV302D10010	13	0.8	2×10±10% @ 2×50mA	2×13.5			3520±30%	32.5±30%	27.8±30%
BV302D12010	13	0.8	2×12.5±10% @ 2×42mA	2×19			3520±30%	65.2±30%	57.2±30%
BV302D15010	13	0.8	2×15.5±10% @ 2×33mA	2×23.6			3520±30%	101.1±30%	88.2±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	CHANG CHUN PLASICS CO LTD	E59481
		PA66 A3X2G5, (94-V0)	BASF SE	E41871
2	CASE	PBT 4130 94V-0	CHANG CHUN PLASICS CO LTD	E59481
		PA66 A3X2G5, (94-V0)	BASF SE	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