Specification for approval

Description(产品类型):	Encapsulated transformer
Customer(客户)p/n:	
ZETTLER(赛特勒) p/n:	BV38XXXX032
Revision(版本号):	A3
页　数/Page:	7

Drafted(制作): Li xiaoxu

Checked(审核): Chen chaolu

Approved(确认): He zongnian

RoHS COMPLIANT

Rev.	Date	Description	Approved
A3	2022/7/20	Add BOM. Add VDE ambient TEMP. in the precautions for use Add VDE and CQC file numbers	Li xiaoxu
A2	2022/4/21	Add VDE ambient TEMP. in the marking	Li xiaoxu
A1	2021/9/30	Merge the data code into the marking	Li xiaoxu

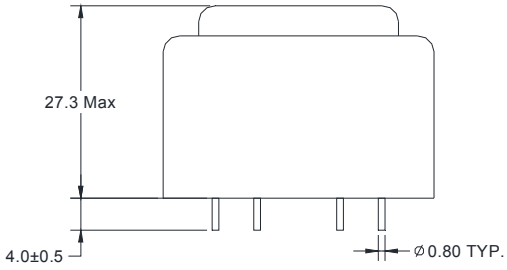
Approved by Customer（客户确认）:_____

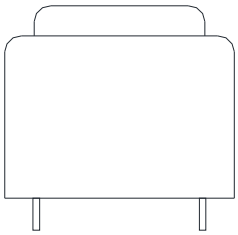
Friendly Reminder: Please help to sign this Spec when approve , and fax to our company .Or else, we will consider you have accepted it and make future order based on this Spec.

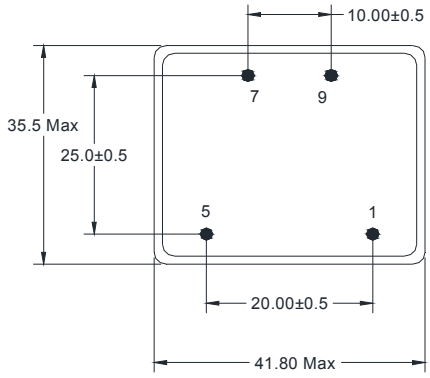
友情提示:请在签字确认后,按封面的传真号码回传给赛特勒磁电有限公司.如无回传,则视为默认,后续的相关订单将以按本承认书的规定为技术要求.

ZETTLER MAGNETICS
ADD:No.6, Xinjing road, Xinyang Industrial Zone，Haicang District.,XiaMen, 361028, PR China
中国厦门市海沧区新阳工业区新景路 6 号
TEL:+86 592 2631586　(FAX):+86 592 2631599

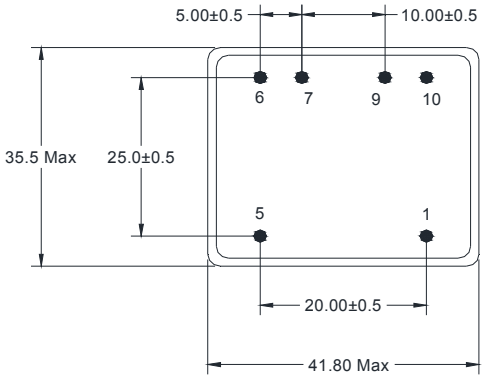
1、OUTLINE DRAWING(外形图):UNIT(单位)：mm



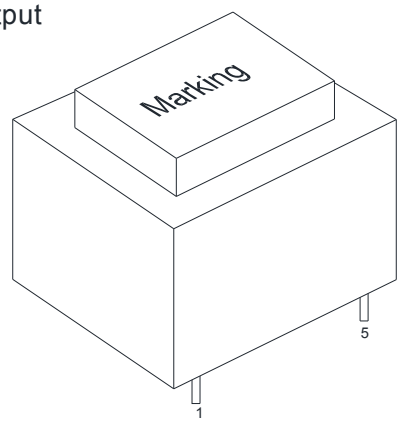




Single output



Dual output



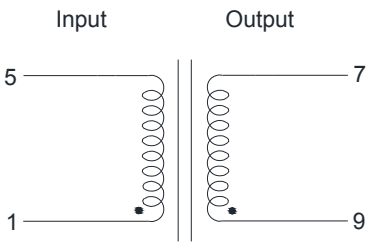
Notes :

◆ PCB opening aperture is recommended to be 1.3mm;（建议 PCB 开孔孔径为 1.3mm）

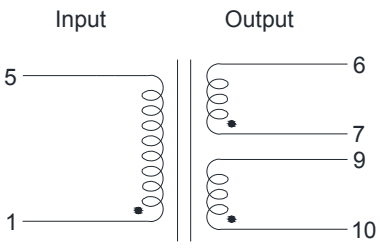
◆ If PIN layout and footprint have slightly deviation, please refer to actual PCB assembly, the ones can be normally inserted into PCB is qualified .(PIN 距、排距尺寸测量有偏差时, 以 PCB 下板实装确认, 可正常下板为合格)

◆The Pin length doesn't include the solder tip (PIN 脚长度不包括锡尖）

2、SCHEMATIC(原理图):



Single Output



Dual output

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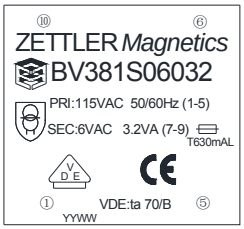
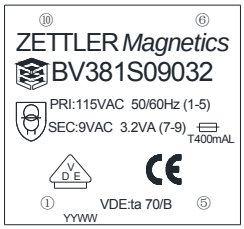
3、Marking (标签图)

BV381S06032



BV381S09032



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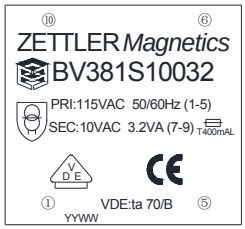

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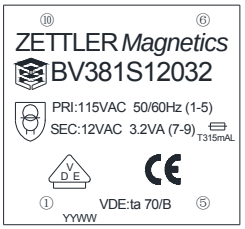

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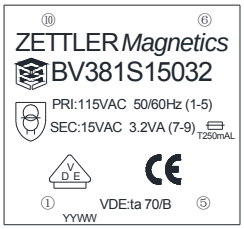

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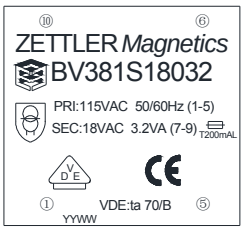
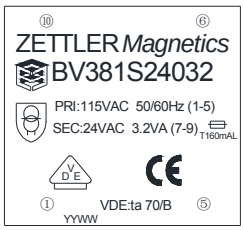


BV381S24032



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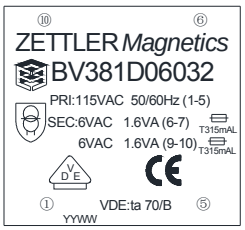

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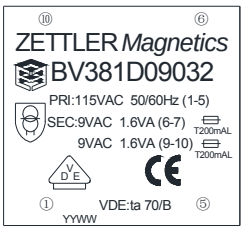

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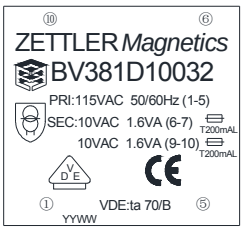

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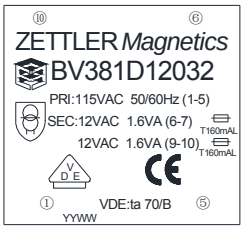

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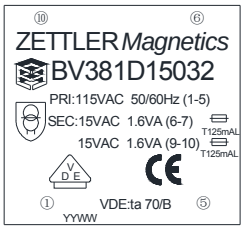

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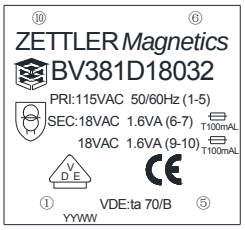

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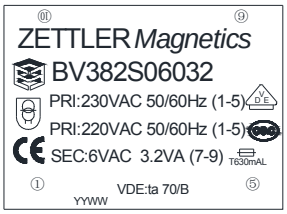

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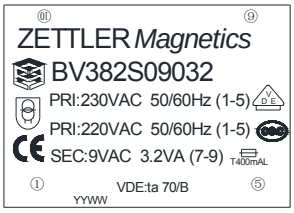

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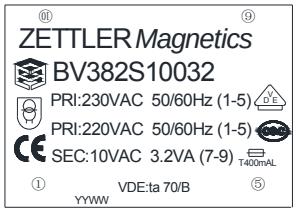

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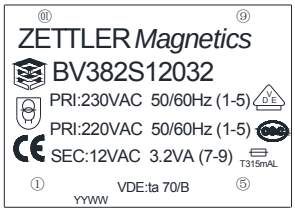

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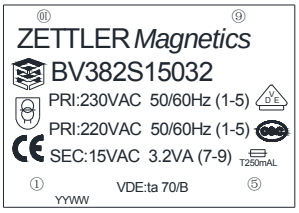

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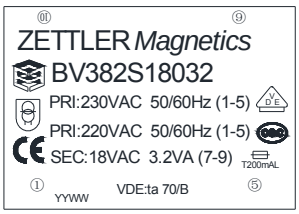

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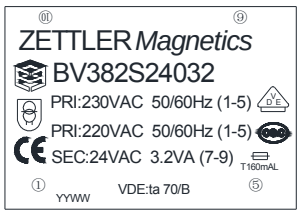

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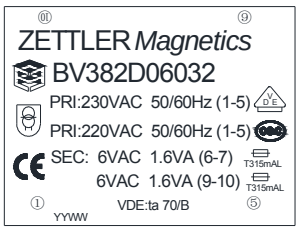

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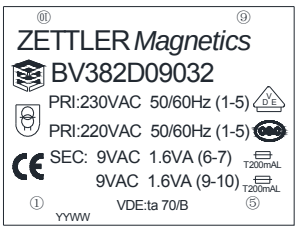

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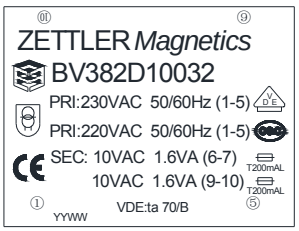

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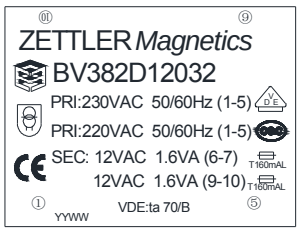

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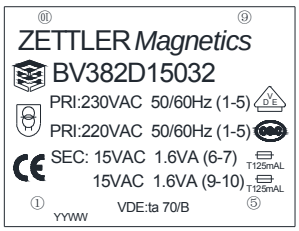

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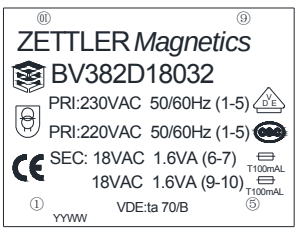

YY:Year WW:Week

ZETTLER MAGNETICS

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中国厦门市海沧区新阳工业区新景路 6 号

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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
BV381S06032	33	1.5	6±10%@ 533mA	8	2800V	DC 500V 100MΩ MIN	249±30%	1.75±30%
BV381S09032	33	1.5	9±10%@ 356mA	12			249±30%	3.45±30%
BV381S10032	33	1.5	10±10%@ 320mA	15			249±30%	4.0±30%
BV381S12032	33	1.5	12±10%@ 267mA	16			249±30%	5.8±30%
BV381S15032	33	1.5	15±10%@ 213mA	20			249±30%	9.4±30%
BV381S18032	33	1.5	18±10%@ 178mA	24			249±30%	13.9±30%
BV381S24032	33	1.5	24±10%@ 133mA	32.4			249±30%	23.0±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		7--9	7--9	P--S	P--S	1--5	7--9
BV382S06032	20	1.5	6±10%@ 533mA	8	4200V	DC 500V 100MΩ MIN	990±30%	1.75±30%
BV382S09032	20	1.5	9±10%@ 356mA	12			990±30%	3.45±30%
BV382S10032	20	1.5	10±10%@ 320mA	15			990±30%	4.0±30%

BV382S12032	20	1.5	12±10%@ 267mA	16			990±30%	5.8±30%
BV382S15032	20	1.5	15±10%@ 213mA	20			990±30%	9.4±30%
BV382S18032	20	1.5	18±10%@ 178mA	24			990±30%	13.9±30%
BV382S24032	20	1.5	24±10%@ 133mA	32.4			990±30%	23.0±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
BV381D06032	33	1.5	2×6±10% @ 2×267mA	2×8	2800V	DC 500V 100MΩ MIN	249±30%	3.3±30%	2.9±30%
BV381D09032	33	1.5	2×9±10% @ 2×178mA	2×12			249±30%	8.0±30%	6.6±30%
BV381D10032	33	1.5	2×10±10% @ 2×160mA	2×15			249±30%	9.7±30%	8.0±30%
BV381D12032	33	1.5	2×12±10% @ 2×133mA	2×16			249±30%	13.5±30%	10.9±30%
BV381D15032	33	1.5	2×15±10% @ 2×107mA	2×20			249±30%	21.1±30%	17.1±30%
BV381D18032	33	1.5	2×18±10% @ 2×89mA	2×24			249±30%	30.2±30%	26.5±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
BV382D06032	20	1.5	2×6±10% @ 2×267mA	2×8	4200V	DC 500V 100MΩ MIN	990±30%	3.3±30%	2.9±30%
BV382D09032	20	1.5	2×9±10% @ 2×178mA	2×12			990±30%	8.0±30%	6.6±30%
BV382D10032	20	1.5	2×10±10% @ 2×160mA	2×15			990±30%	9.7±30%	8.0±30%
BV382D12032	20	1.5	2×12±10% @ 2×133mA	2×16			990±30%	13.5±30%	10.9±30%
BV382D15032	20	1.5	2×15±10% @ 2×107mA	2×20			990±30%	21.1±30%	17.1±30%
BV382D18032	20	1.5	2×18±10% @ 2×89mA	2×24			990±30%	30.2±30%	26.5±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

VDE 认证号/VDE file No.：40032536

CQC 认证号/CQC file No.：CQC10001054660

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
2	CASE	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