

Specification for approval

Description(产品类型): Current Transformer

Customer(客户)p/n:

ZETTLER(赛特勒) p/n: XZM-CT32D01

Revision(版本号): PD1.2

页 数/Page: 3

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Checked(审核): Chen Chaolu

Approved(确认): He Zongnian

Organic silicon free

Phosphorus-free

RoHS
COMPLIANT

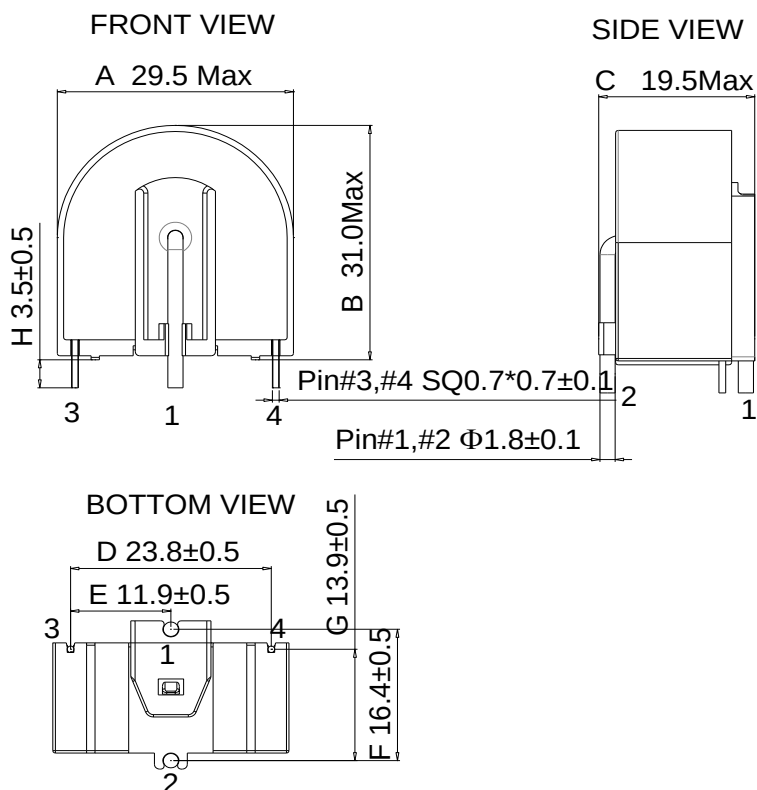
PD1.2	2024/04/16	Update size B from 30 to 31,	Hezn
PD1.1	2024/04/12	Update size A from 28.5 to 29.5, size C from 19 to 19.5	Hezn
PD1.0	2023/10/20	Initial Release	Hezn
Rev.	Date	Description	Changed

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.

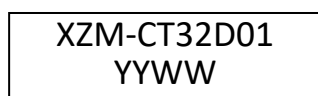
1. OUTLINE DRAWING(外形图):UNIT(单位): mm



Notes(注):

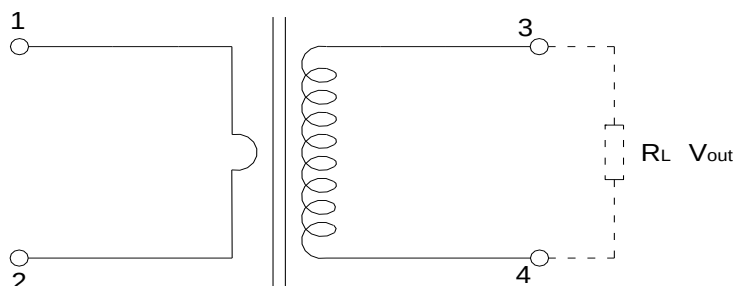
- ◆ PCB opening aperture is recommended to be 2.3mm and 1.3mm;(建议 PCB 开孔孔径为 2.3mm and 1.3mm)
Because of the coplanarity of the primary U-shaped guide pin, we strongly recommend that the opening aperture of the primary U-shaped PCB should be 2.3mm to avoid the difficulty of assembly due to interference when inserting subsequent products into the PCB.
- ◆ 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.Label(标签图)



YY:Year/年
WW:Week/周

3.SCHEMATIC(原理图):



Remark:
The dotted line does not exist,
just to illustrate the principle and
test requirements.

4. ELECTRICAL SPECIFICATION(电气特性):

TEST TEMPERATURE(测试温度)@25±2℃:

Item 项目	Terminal 端子	Specification 规格值	Test condition 测试条件
Accuracy 精度 (比差)	3--4	±0.5%	Input 2—1, 0.5Arms, 50Hz, R _{load} =16 Ω
			Input 2—1, 32Arms, 50Hz, R _{load} =16 Ω
			Input 2—1, 16Arms+14.4Adc, 50Hz, R _{load} =16 Ω
Phase displacement 相差 (角差)	3--4	4.5° Max	Input 2—1, 0.5Arms, 50Hz, R _{load} =16 Ω
			Input 2—1, 32Arms, 50Hz, R _{load} =16 Ω
			Input 2—1, 16Arms+14.4Adc, 50Hz, R _{load} =16 Ω
DCR 直流电阻(Ω)	3---4	120Ω Max	Ta=25℃
Dielectric strength 绝缘耐压	1----3	4.0kVac	1mA/50Hz/2s

5. NOTES FOR USE (产品使用注意事项):

- 1) Insulation Class(绝缘等级): Class B
- 2) Rohs compliant directive 2011/65/EU(产品符合欧盟 ROHs 2011/65/EU 指令)
- 3) Operating Temperature range 操作温度范围: -40℃ to +85℃(Temperature rise included)
- 4) Storage temperature range 存储温度范围: -40° to +85℃
- 5) Resistance to solder heat 焊锡耐热性: +260±5℃, 3-8Sec:
- 6) Rated working Frequency 工作频率: 50Hz (sinusoidal or half wave)
- 7) Rated current range 额定电流: 32Arms
- 8) Working Voltage Max: 最大工作电压 400Vrms
- 9) Load resistance 负载电阻: ≤16.0 Ω
- 10) Turns Ratio 圈比: 1:2500
- 11) Altitude level:海拔高度: 3000m Max
- 12) 6.3mm Min creepage and 6.3mm Min clearance base on IEC 60664-1(最小爬电距离为 6.3mm, 最小间隙为 6.3mm).
- 13) **Open circuit is forbidden in secondary 次级严禁开路**
- 14) $V_{out} = \frac{I_{in} R_{load} N_p}{N_s}$ (I_{in}: input current; R_{load}: load resistor, N_p: Number of primary turns;
N_s: Number of secondary turns)