

# Specification for approval

|                    |               |
|--------------------|---------------|
| Description(产品类型): | Reactor       |
| Customer p/n(客户):  |               |
| ZETTLER p/n(赛特勒):  | XZM-RE42008GP |
| Revision(版本号):     | PD1.1         |
| Page(页数):          | 3             |

Drafted(制作): Li xiaoxu

Checked(审核): Chenchaulu

Approved(确认): He Zongnian



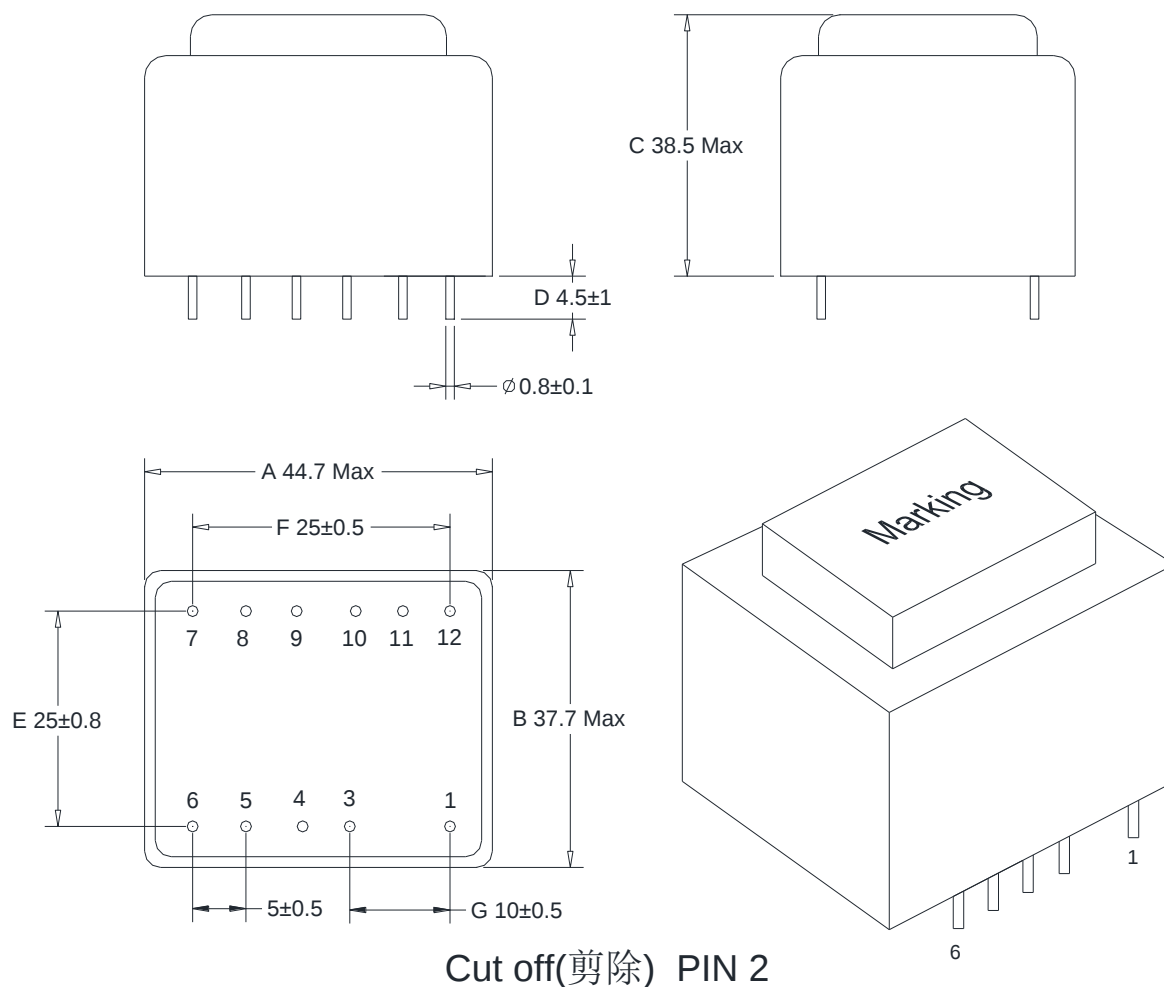
|       |           |                                                                                                   |           |
|-------|-----------|---------------------------------------------------------------------------------------------------|-----------|
|       |           |                                                                                                   |           |
|       |           |                                                                                                   |           |
|       |           |                                                                                                   |           |
|       |           |                                                                                                   |           |
|       |           |                                                                                                   |           |
| PD1.1 | 2024/6/14 | Add 'the plastic materials are compliant with IEC 60335-1 clause 30' into the precautions for use | Li xiaoxu |
| PD1.0 | 2024/6/7  | Initial release                                                                                   | Li xiaoxu |
| 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):

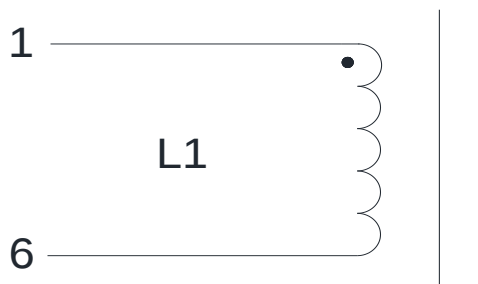
- ◆ PCB drill hole is recommended to be 1.6mm; (建议 PCB 开孔孔径为 1.6mm)
- ◆ If PIN layout and footprint have slightly deviation, please refer to actual PCB assembly, the ones can be normally inserted into PCB is qualified. (PIN 距、排距尺寸测量有偏差时,以 PCB 下板实装确认,可正常下板为合格)
- ◆ The Pin length doesn't include the solder tip (PIN 脚长度不包括锡尖)

### 2. MARKING (标记图)

ZETTLER Magnetics  
XZM-RE41095GP  
15mH YYWW

YY:Year/年  
WW:Week/周

## 3. SCHEMATIC (原理图):



- Polarity(极性)

## 4. ELECTRICAL SPECIFICATION(电气特性测试):

TEST TEMPERATURE(测试温度)@25±2℃:

| ITEM<br>项目                    | TERMIANL<br>端子 | SPECIFICATION<br>规格值 | TEST CONDITION<br>测试条件 |
|-------------------------------|----------------|----------------------|------------------------|
| INDUCTANCE<br>电感量             | 1--12          | 15mH±20%             | 1KHz,1.0V,SER          |
| DCR<br>直流电阻(Ω)                | 1--12          | 0.95Ω Max            | Ta=25℃                 |
| Insulation Resistance<br>绝缘电阻 | 线包—磁芯          | 100MΩ Min            | DC500V                 |
| HI-POT VOLTAGE<br>耐压          | 线包—磁芯          | 1500V                | 2mA/2S/50Hz(灌封前)       |

## 5. PRECAUTIONS FOR USE (产品使用注意事项):

Operating Temperature range(工作温度范围): -25℃ to +115℃(Temperature rise included 包括温升);

Storage temperature range(产品储存温度): -25℃ to +65℃

Resistance to solder heat(焊锡耐热性): +260±5℃, 5±1Sec

The plastic materials are compliant with IEC 60335-1 clause 30(塑料件符合 IEC 60335-1 第 30 条)

Rated current(额定电流):2.4A