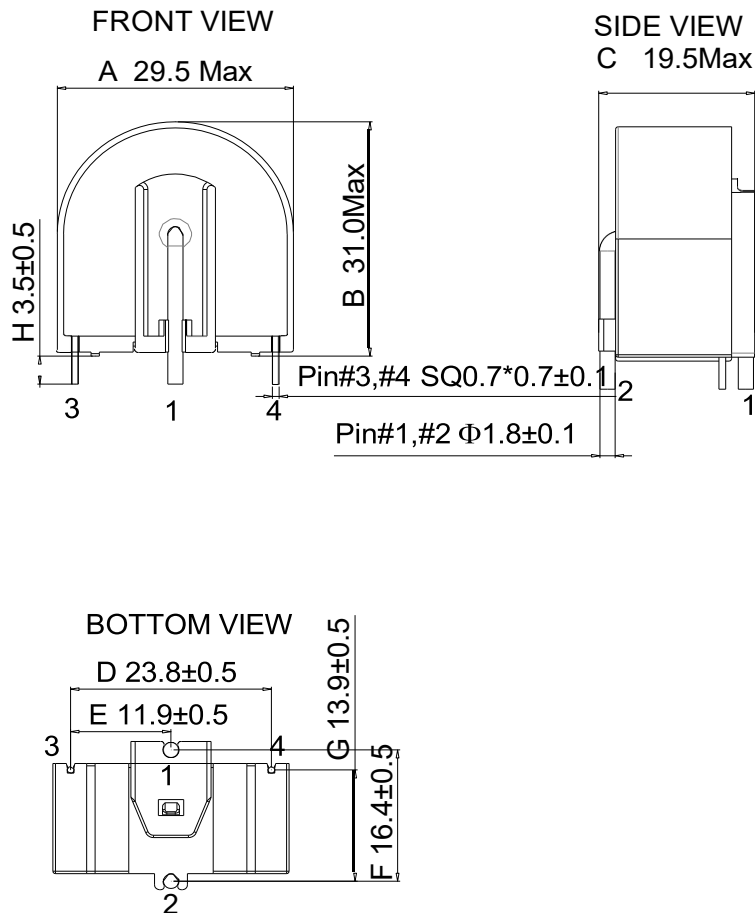


1. OUTLINE DRAWING: (UNIT mm)



Notes:

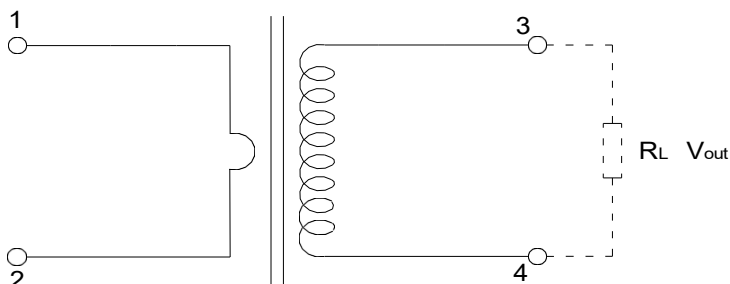
- ◆ PCB opening aperture is recommended to be 2.3mm and 1.3mm.
- Because of the coplanarity of the primary U-shaped guide pin, we strongly recommend that the opening aperture of the primary U-shaped PCB should be 2.3mm to avoid the difficulty of assembly due to interference when inserting subsequent 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.
- ◆ The Pin length doesn't include the solder tip.

2. LABEL:

XZM-CT32D01-SF
YYWW

YY:Year
WW:Week

3. SCHEMATIC:



Remark:

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

4. ELECTRICAL SPECIFICATION:

TEST TEMPERATURE @25±2°C:

Item	Terminal	Specification	Test condition
Accuracy	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	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 (Ω)	3---4	120Ω Max	Ta=25°C
Dielectric strength	1---3	4.0kVac	1mA/50Hz/2s

5. NOTES FOR USE:

- 1) Insulation Class: Class B
- 2) RoHS compliant directive 2011/65/EU(RoHS 2011/65/EU)
- 3) Operating Temperature range: -40°C to +85°C(Temperature rise included)
- 4) Storage temperature range: -40° to +85°C
- 5) Resistance to solder heat: +260±5°C, 3-8Sec
- 6) Rated working Frequency: 50Hz (sinusoidal or half wave)
- 7) Rated current range: 32Arms
- 8) Working Voltage Max: 400Vrms
- 9) Load resistance: ≤16.0 Ω
- 10) Turns Ratio: 1:2500
- 11) Altitude level: 3000m Max
- 12) 6.3mm Min creepage and 6.3mm Min clearance base on IEC 60664-1.
- 13) **Open circuit is forbidden in secondary**
- 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)
- 15) This product with organic silicon free and phosphorus-free.