



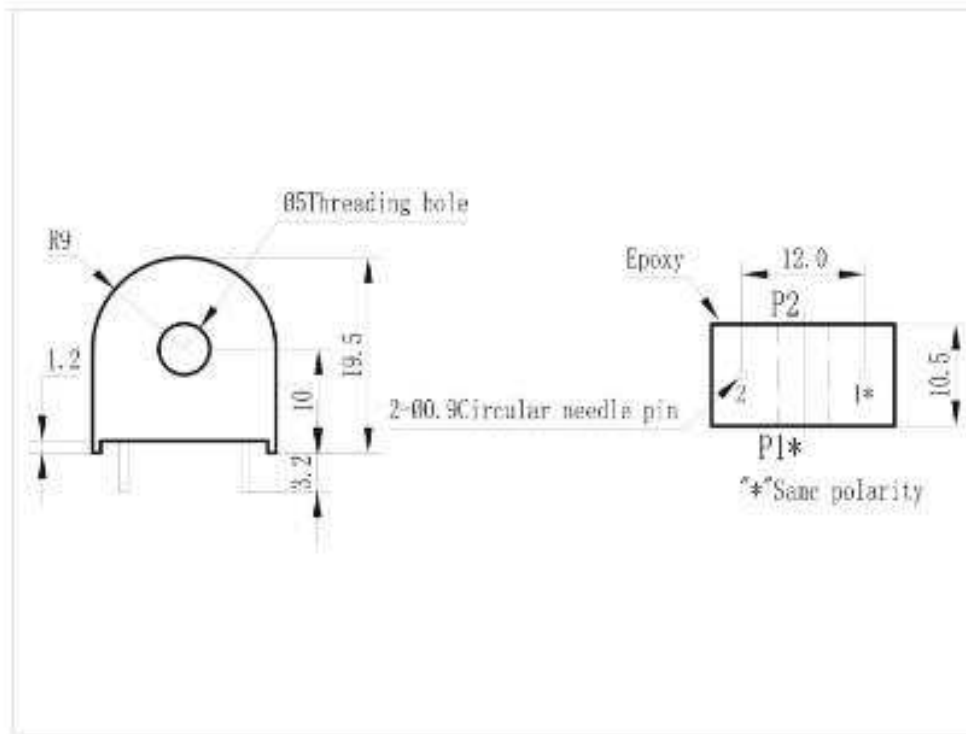
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## Products



## Detailed introduction

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### ZMCT103C series current transformer

Features: Small size, high accuracy, good consistency, for current and power measurement

Mini transformer, micro transformer

application for smart socket

model	ZMCT103C (class A)	ZMCT103C(class B)	ZMCT103C(class E)
primary current	5A	5A	5A
secondary current	5mA	5mA	5mA
turns ratio	1000:1	1000:1	1000:1
phase angle error	$\leq 15'$ (input 5A, sampling resistor $50\Omega$ )	No requirement (input 5A, sampling resistor $50\Omega$ )	$\leq 30'$ (input 5A, sampling resistor $50\Omega$ )
linear range	0~15A ( $50\Omega$ )	0~15A ( $50\Omega$ )	0~15A ( $50\Omega$ )
linearity	$\leq 0.2\%$ ( $5\% \cdot \dot{\sim} 120\% \cdot \dot{\sim}$ )	$\leq 0.5\%$ ( $5\% \cdot \dot{\sim} 120\% \cdot \dot{\sim}$ )	$\leq 0.2\%$ ( $5\% \cdot \dot{\sim} 120\% \cdot \dot{\sim}$ )
Permissible error	$-0.2\% \leq \varepsilon \leq 0.2\%$ (input 5A, sampling resistor $50\Omega$ )	$-1\% \leq \varepsilon \leq 1\%$ (input 5A, sampling resistor $50\Omega$ )	$-0.4\% \leq \varepsilon \leq 0.4\%$ (input 5A, sampling resistor $50\Omega$ )
isolation voltage	4500V	4500V	4500V
application	Precise measurement of current and power	Simple current monitoring and control	Precise measurement of current and power
Encapsulation	Epoxy	Epoxy	Epoxy
installation	PCB mounting	PCB mounting	PCB mounting
operating temperature	-40°C~+70°C	-40°C~+70°C	-40°C~+70°C