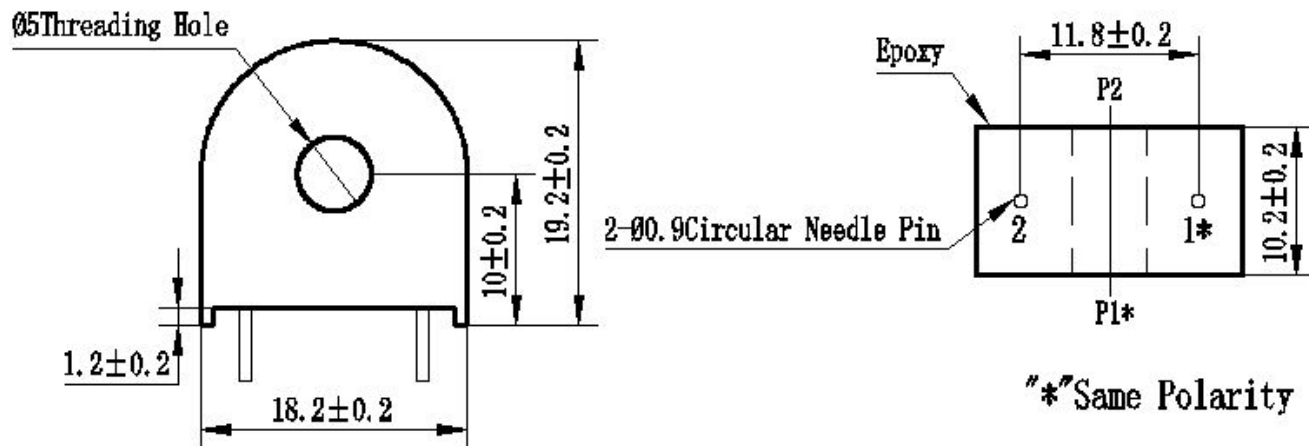


ZMCT103C Current Transformer

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

Structural parameters:



Remarks: primary input: straight- through type(make the measured circuit be through the hole)
1、 2pin :secondary output

Front view

Bottom view

The main technical parameters:

model	ZMCT103C (class A)	ZMCT103C (class B)
Rated input current	5A	5A
Rated output current	5mA	5mA
turns ratio	1000:1	1000:1
phase angle error	$\leq 15'$ (input 5A, sampling resistor 50Ω)	No requirement (input 5A, sampling resistor 50Ω)
linear range	0~10A (sampling resistor 50Ω)	0~10A (50Ω)
linearity	$\leq 0.2\%$ (5%dot~120%dot)	$\leq 0.5\%$ (5%dot~120%dot)
Permissible error	$-0.2\% \leq f \leq +0.2\%$ (input 5A, sampling resistor 50Ω)	$-1\% \leq f \leq +1\%$ (input 5A, sampling resistor 50Ω)
isolation voltage	4500V	
application	Precise measurement of current and power	
Encapsulation	Epoxy	
installation	PCB mounting (Pin Length>3mm)	
operating temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	

Direction for use:

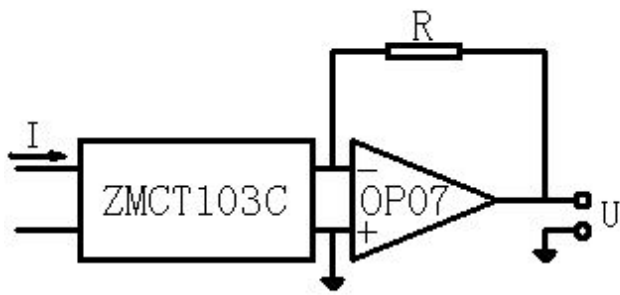


Figure I



$$U = \frac{I}{1000} \cdot R$$

I: input current
R: sampling resistor
U: sampling voltage

Figure II

1. The typical usage of the product is for the active output (Figure I). R is a sampling resistor
 2. The product can be directly through the resistance sampling, easy to use (Figure II).
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