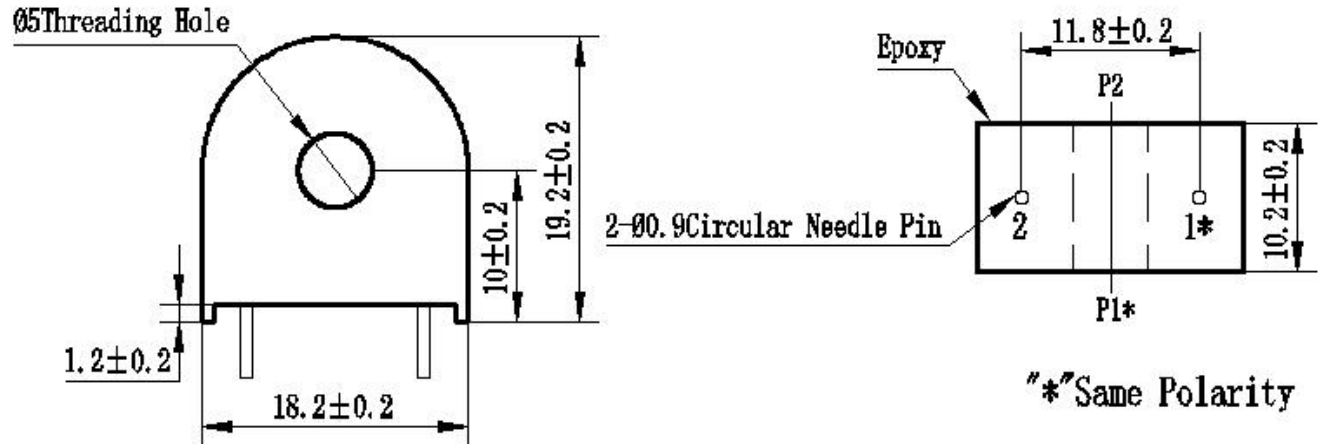# ZMCT103C   Current Transformer

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
input current	0-10A（50Ω）
Rated output current	5mA at input 5A
turns ratio	1000:1
phase angle error	≤15′ (input 5A，sampling resistor 50Ω）
Accuracy class	0.2
linearity	≤0.2%（5%dot~120%dot）
Permissible error	-0.2%≤f≤+0.2% (input 5A，sampling resistor50Ω）
isolation voltage	4500V
application	Precise measurement of current and power
Encapsulation	Epoxy
installation	PCB mounting（Pin Length>3mm）
operating temperature	-40℃~+85℃

Direction for use：

Figure Ⅰ

$$U = \frac{I}{1000} \cdot R$$
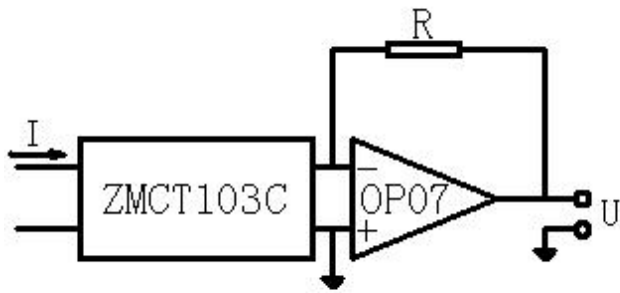
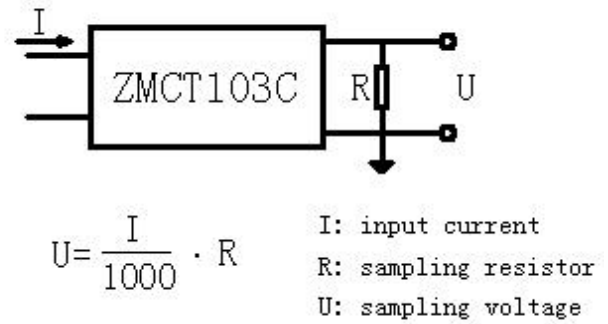I: input current
R: sampling resistor
U: sampling voltage

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 (FigureⅡ).