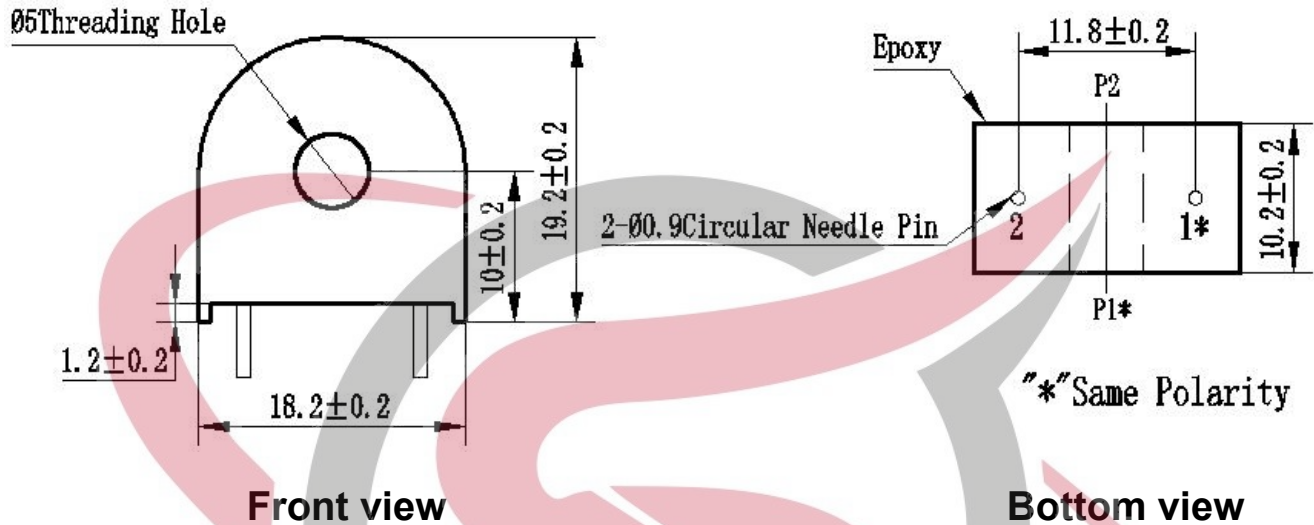


ZMCT102 Current Transformer

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

Structural parameter:



The main technical parameters:

Model	ZMCT102
input current	0-20A (100Ω)
Output current	2.5mA at 5A
turns ratio	2000:1
phase angle error	$\leq 20'$ (input 1A, sampling resistor 100Ω)
linearity	0.2% (5%~120% of 5A)
Permissible error	$-0.2\% \leq f \leq +0.2\%$ (input 1A, sampling resistor 100Ω)
application	current and power measurement
isolation voltage	4500V
Encapsulation	Epoxy
installation	PCB mounting (Pin length > 3mm)
operating temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Direction for use:

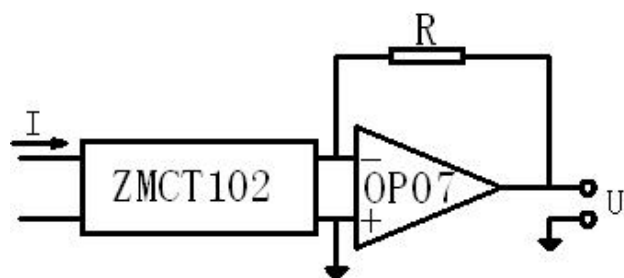


Figure I

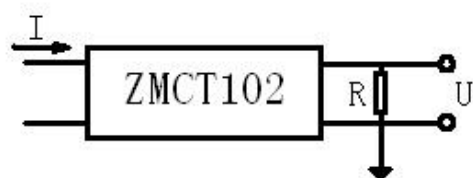


Figure II

$$U = \frac{I}{2000} \cdot R$$

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

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).

SKYTECH
ELECTRONIC