ZMCT115S   Current Transformer
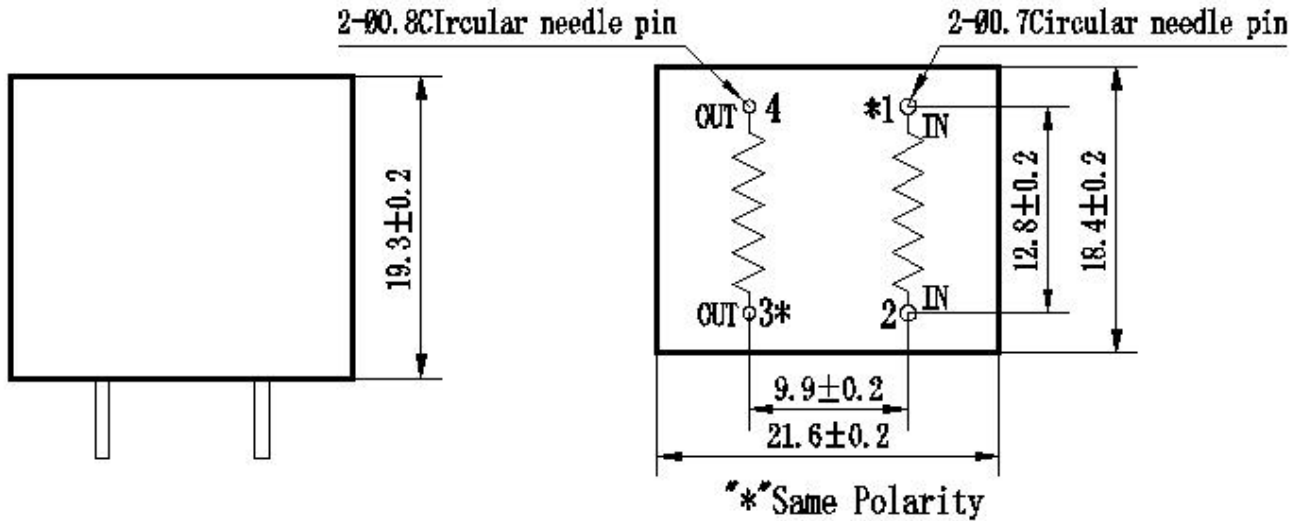
Small size，high accuracy，good consistency，for accurate current and power measurement

Structural parameters：

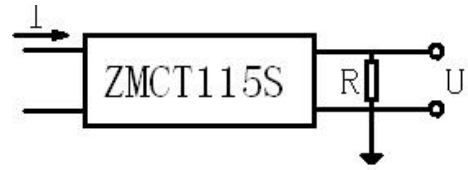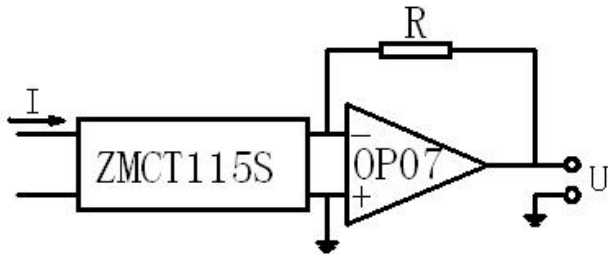fine needle: input，thick needle: output

Front view   **Bottom view**

The main technical parameters：

Model	ZMCT115S
input current	0~15A（sampling resistor 13Ω）
Rated output current	2.5mA at input 1A
turns ratio	400:1
phase angle error	≤20′（input 1A，sampling resistor 13Ω）
Accuracy class	0.2
linearity	≤0.2%（5%dot~120%dot）
Permissible error	-0.2%≤ f ≤+0.2%（input 1A，sampling resistor 13Ω）
isolation voltage	3000V
application	Precise current and power measurement
Encapsulation	Epoxy
installation	PCB mounting （pin length>3mm）
operating temperature	-40℃~+70℃

Direction for use：

$$U= \frac{I}{400} \cdot R$$

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

Figure Ⅰ   **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).