



DATA SHEET

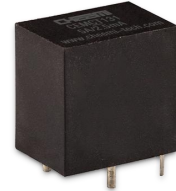
Ultra-micro Current Transformer

PN: CEMCT131

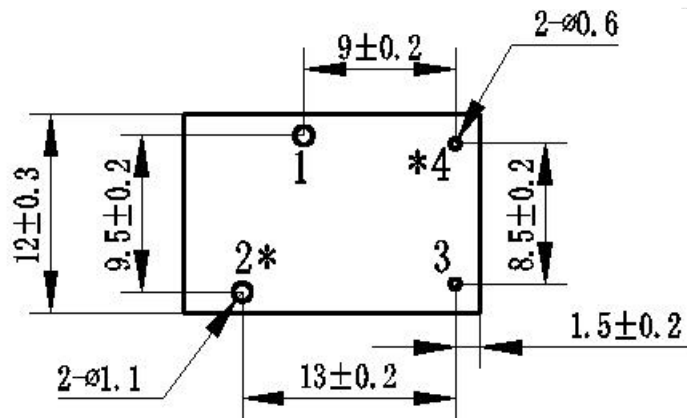
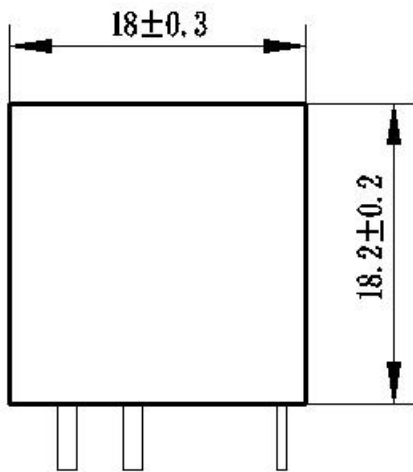
IPN=5A

Feature & Applications

- Small size
- High accuracy
- Good consistency.
- Applied to the power frequency 50(60)Hz multifunction meter



Structural Parameter:



Input: 1,2pins, output : 3,4pins Same plority (*)

Front View

Bottom View

The Main Technical Parameters:

Model	CEMCT131
Rated input current	5A
Rated output current	2.5mA
Turns ratio	2000:1
Phase angle error	≤20' (Input 1A, sampling resistor 100Ω)
Linear range	0~20A (sampling resistor 100Ω)
Linearity	≤0.2% (5%~120%)
Permissible error	-0.2% ≤ f ≤ +0.2% (Input 1A, sampling resistor 100Ω)
Isolation voltage	3000V



Application	Accurate measurement of current and power
Encapsulation	Epoxy
Installation	PCB mounting(Pin length>3mm)
Operating temperature	-40°C~+85°C

Direction For Use:

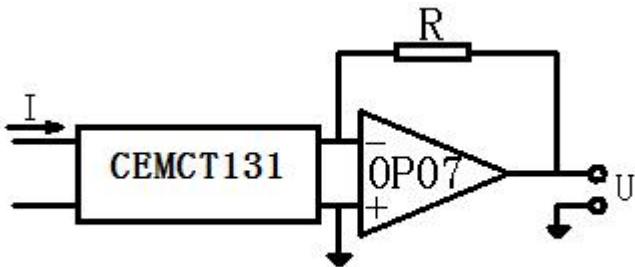
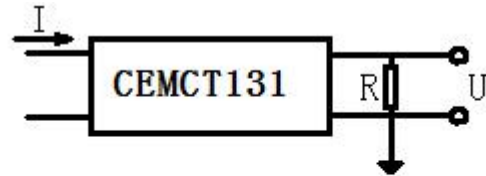


Figure I



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

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).

