

# ZDCT-10A/10mA



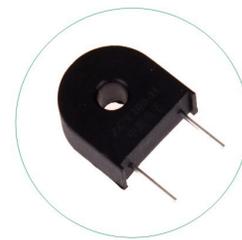
ZDCT ultra crystalline low-voltage potting pin type high-precision AC miniature current transformer manufacturer customization

## **Descriptions:**

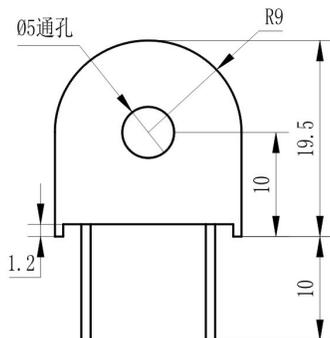
This is a mini current transformer for PCB ; Fully enclosed, good mechanical properties and environmental resistance, strong voltage isolation capability, safety and reliability. Used for energy meter in special;

## ZCT10-H Current transformer

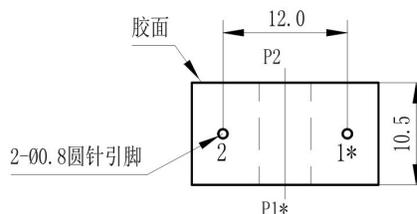
Small size, high accuracy / Non-pollution



### Dimensions



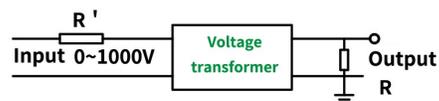
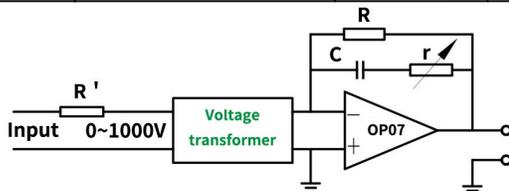
Front view



Bottom view

### Product description

Name	ZCT10-H Current transformer		
Parameters	Parameters	Symbol	Performance index
	Turns ratio	\	100 : 1
	Rated input current	$I_n$	0-20A
	Rated output current	$I_o$	0-200mA
	Linear range	\	0-30A
	Accuracy class	$\rho$	0.5%
	Altitude	\	Not more than 1000M
	Phase Shift	$\delta$	$<200'$
	Withstand voltage	$V_d$	3000V/min
	Insulation resistance	\	1000M $\Omega$ /500V/min
	Operating temperature	$T_a$	-25 $^{\circ}$ C~+75 $^{\circ}$ C
	Environment temperature	$T_s$	-40 $^{\circ}$ C~+80 $^{\circ}$ C
	Rated Frequency	$f$	2KHz~400KHz
	Relative humidity	\	$<90\%$
	Shell material	\	ABS



Any parameters can be customized

**Features:**

This is a mini current transformer for PCB;

The diameter of inner hole is 5mm, the accuracy is  $\leq 0.5$  grade,

Built-in input coil; small and light, easy to install.

Fully enclosed, good mechanical properties and environmental resistance, strong voltage isolation capability, safety and reliability.

**Specifications:**

Environment temperature:  $-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$

Relative humidity:  $\leq 80\%$ ( $40^{\circ}\text{C}$ )

Working frequency:  $5\text{Hz}\sim 400\text{KHz}$

Insulation endurance grade: B grade ( $130^{\circ}\text{C}$ )

Insulation resistance:  $>1000\text{M}\Omega$  normally

Dielectric strength: can afford power frequency  $3000\text{V}/50\text{Hz}, 1\text{min}$

Flame resistance: Conform to UL94-Vo grade

Linear range: 0-30A

Measuring range: 0-20A

Ratio: 100/1

Weight: 0.01KG/ piece

**Application:**

1. The current transformer is used for energy meter in special;
2. When you fix the energy meter, you don't need to cut off the power if you use this product.

**Package Included:**

1 x Current Transformer

**Note:**

1. The CT primary should be connected in series with the test current loop, the secondary should be as work in the short-circuit state.
2. The secondary circuit is not allowed open circuit, so please do not install fuse.